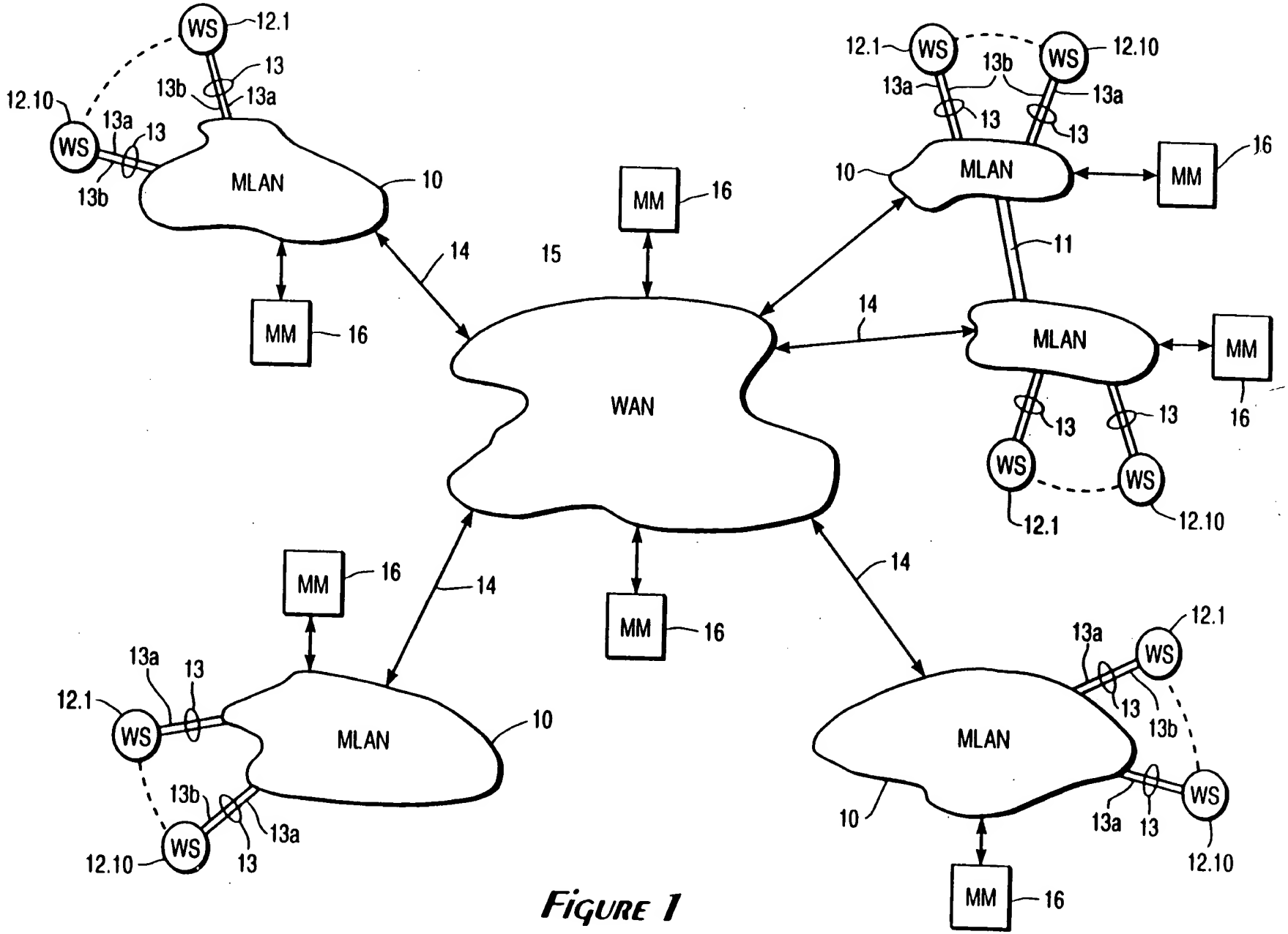

FIGURE 1

6898620

865050 ms2060

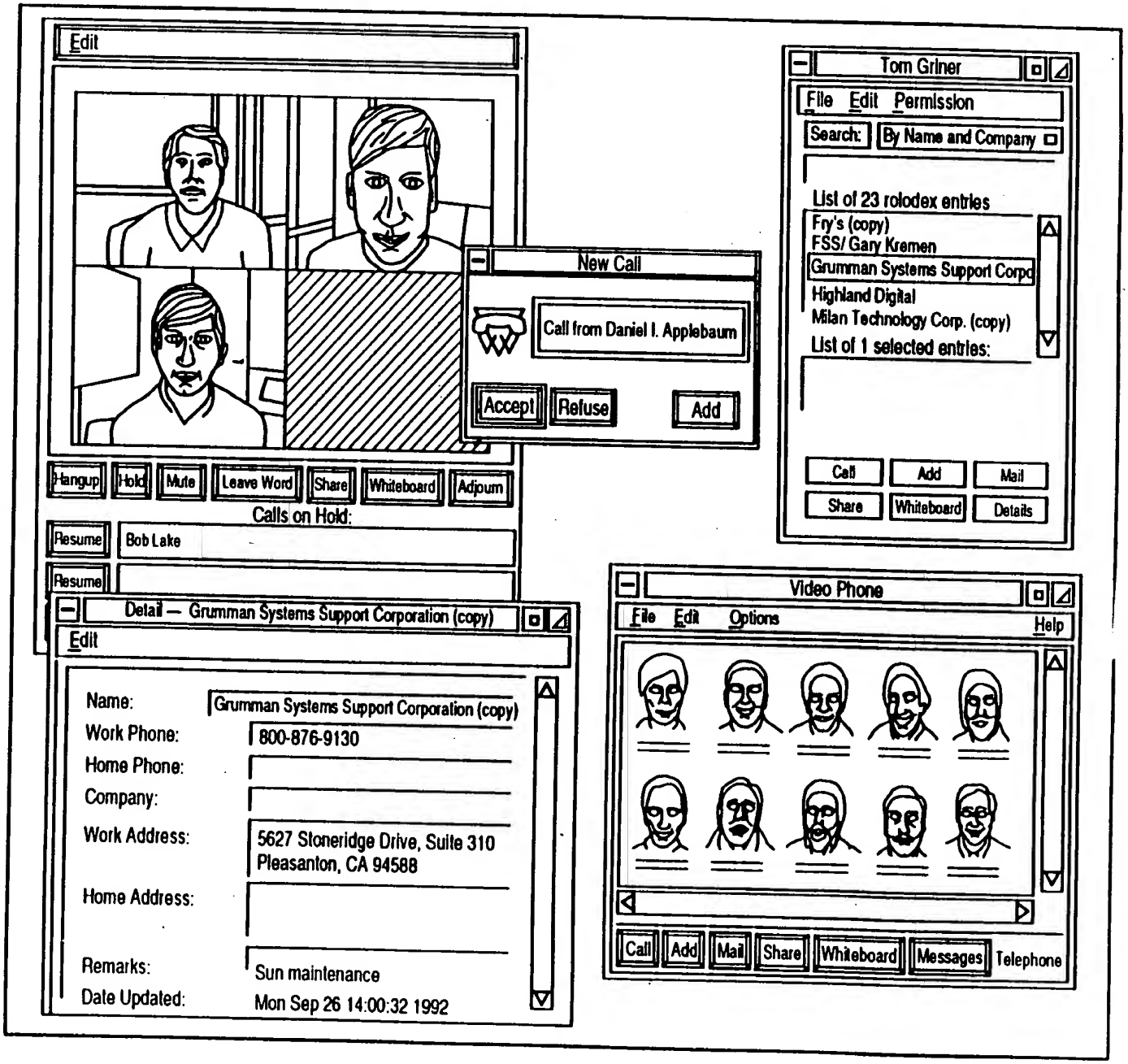

FIGURE 2A

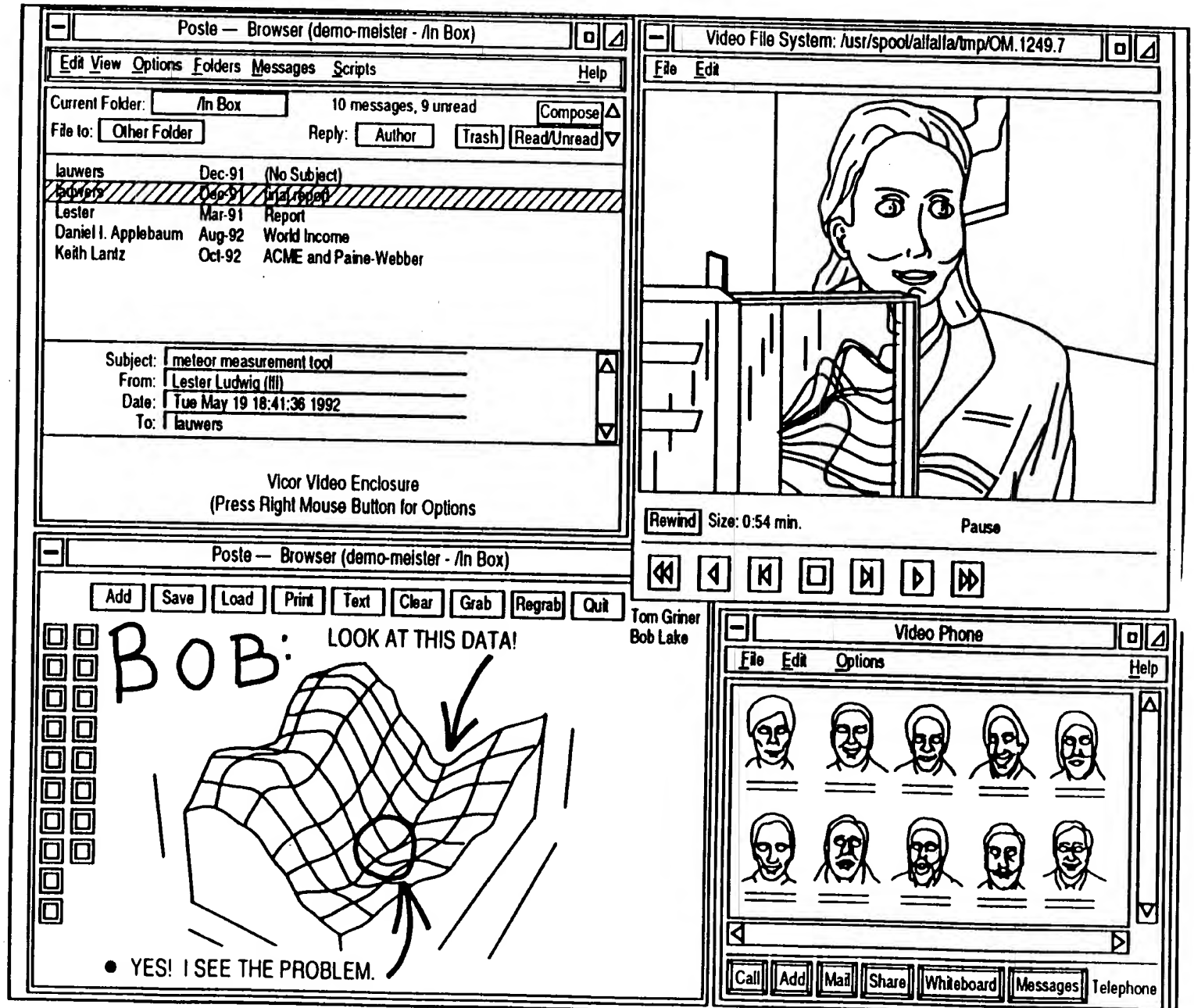
Poste — Browser (demo-meister - /In Box)
Edit View Options Folders Messages Scripts Help
Current Folder: /In Box
10 messages, 9 unread
Compose
File to: Other Folder
Reply: Author
Trash
Read/Unread
lauwers Dec-91 (No Subject)
Lester Mar-91 Report
Daniel I. Applebaum Aug-92 World Income
Keith Lantz Oct-92 ACME and Paine-Webber
Subject: meteor measurement tool
From: Lester Ludwig (ll)
Date: Tue May 19 18:41:36 1992
To: lauwers
Vicor Video Enclosure
(Press Right Mouse Button for Options
Video File System: /usr/spool/alfalfa/tmp/OM.1249.7
File Edit
Rewind
Size: 0:54 min.
Pause
Poste — Browser (demo-meister - /In Box)
Add
Save
Load
Print
Text
Clear
Grab
Regrab
Quit
BOB:
LOOK AT THIS DATA!
YES! I SEE THE PROBLEM.
Tom Griner
Bob Lake
Video Phone
File Edit Options Help
Call
Add
Mail
Share
Whiteboard
Messages
Telephone

FIGURE 2B

BG5050 6mS24060

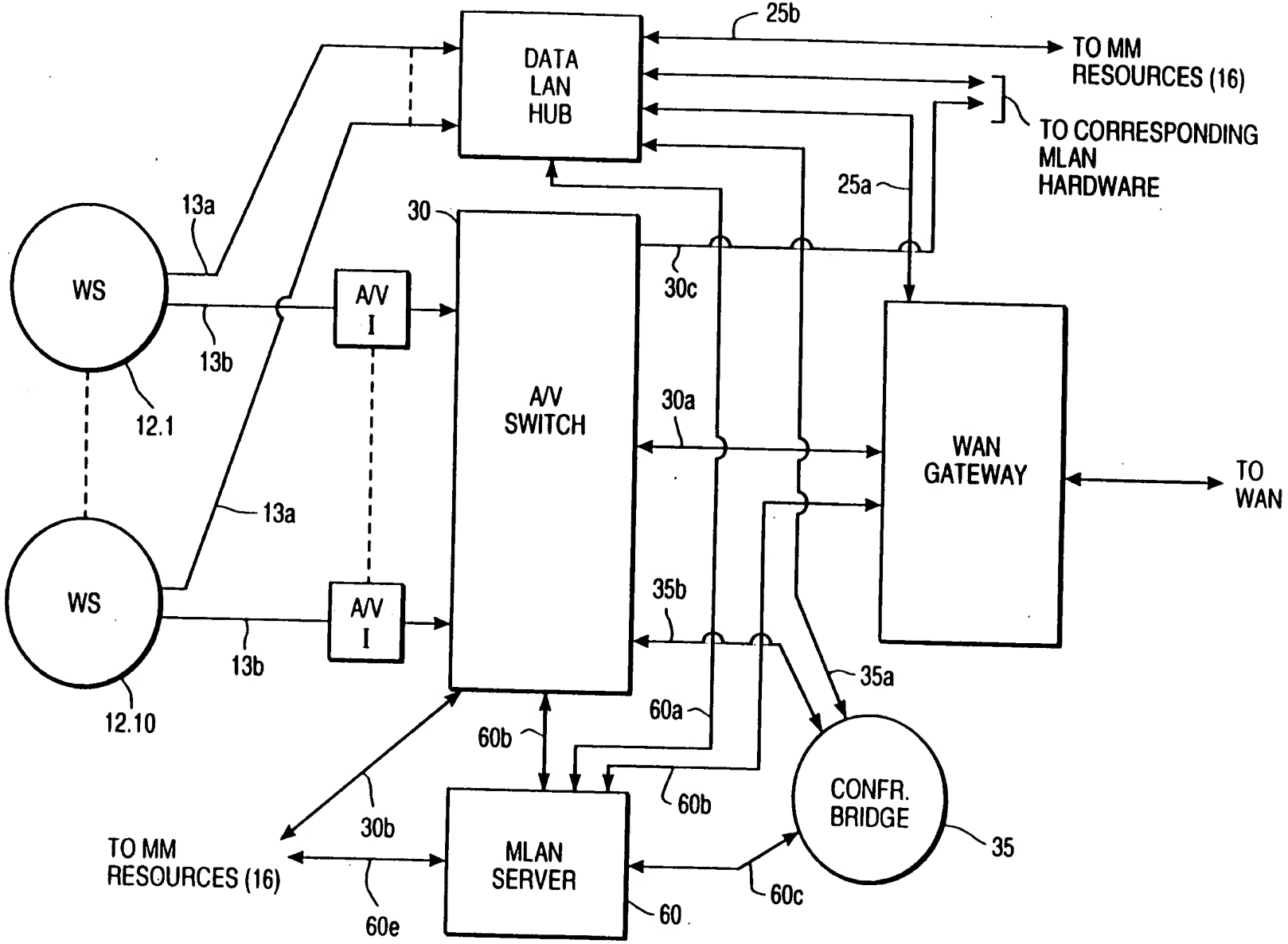

FIGURE 3

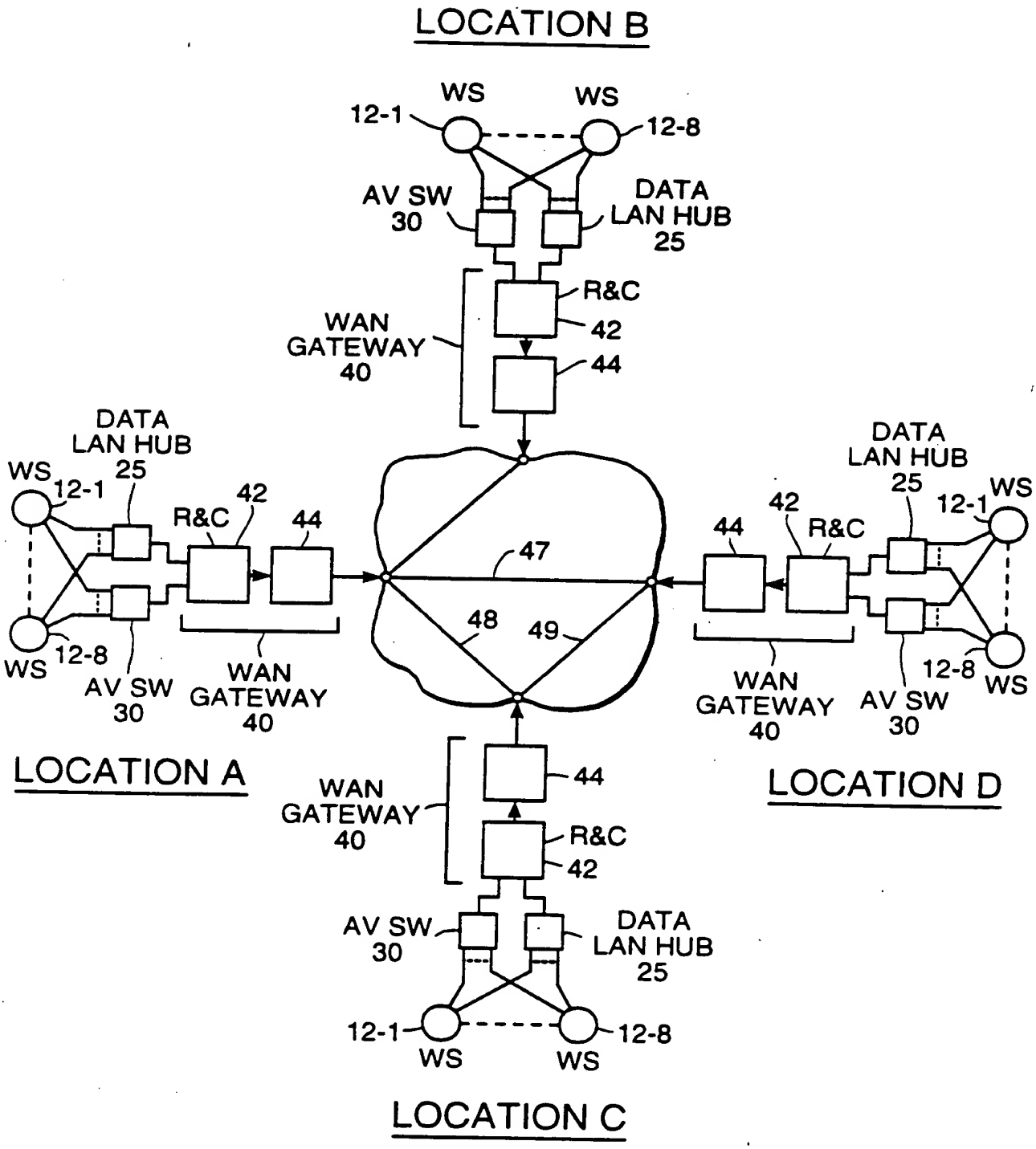
LOCATION B
WS
WS
12-1
12-8
AV SW
30
DATA
LAN HUB
25
R&C
42
WAN
GATEWAY
40
44
DATA
LAN HUB
25
WS
12-1
42
R&C
44
47
48
49
WS
12-8
AV SW
30
WAN
GATEWAY
40
LOCATION A
LOCATION D
WAN
GATEWAY
40
44
R&C
42
AV SW
30
DATA
LAN HUB
25
12-1
12-8
WS
WS
LOCATION C

FIGURE 4

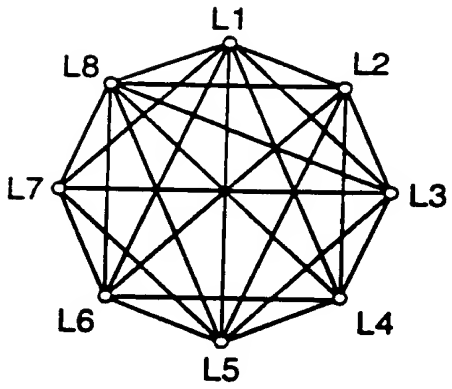

FIGURE 5

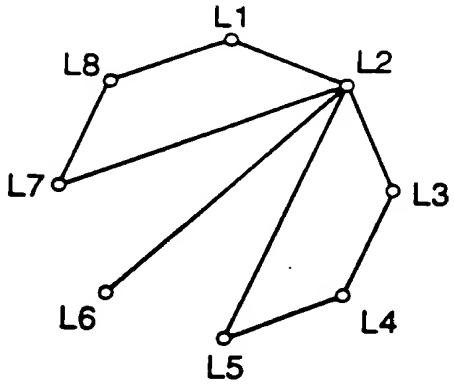

FIGURE 6

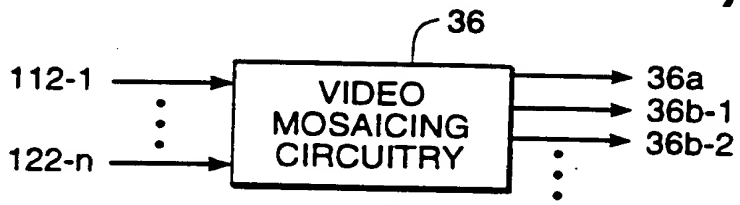

FIGURE 7

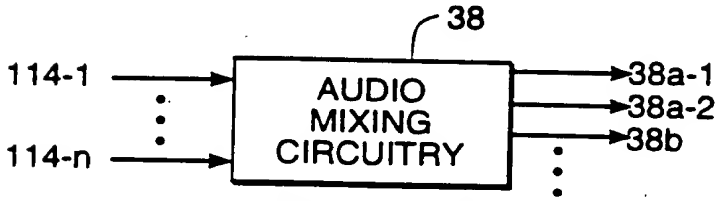

FIGURE 9

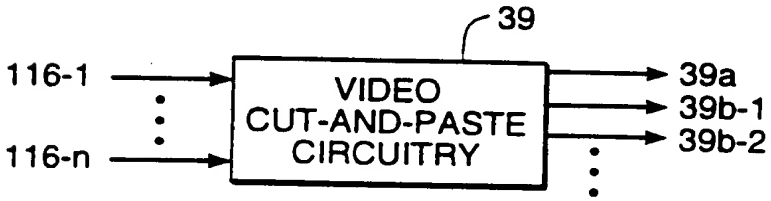

FIGURE 10

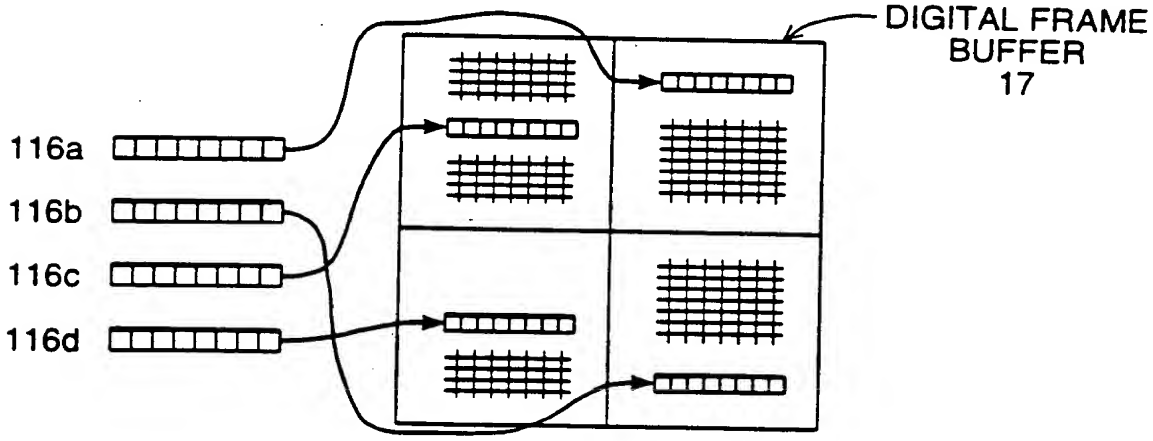

FIGURE 11

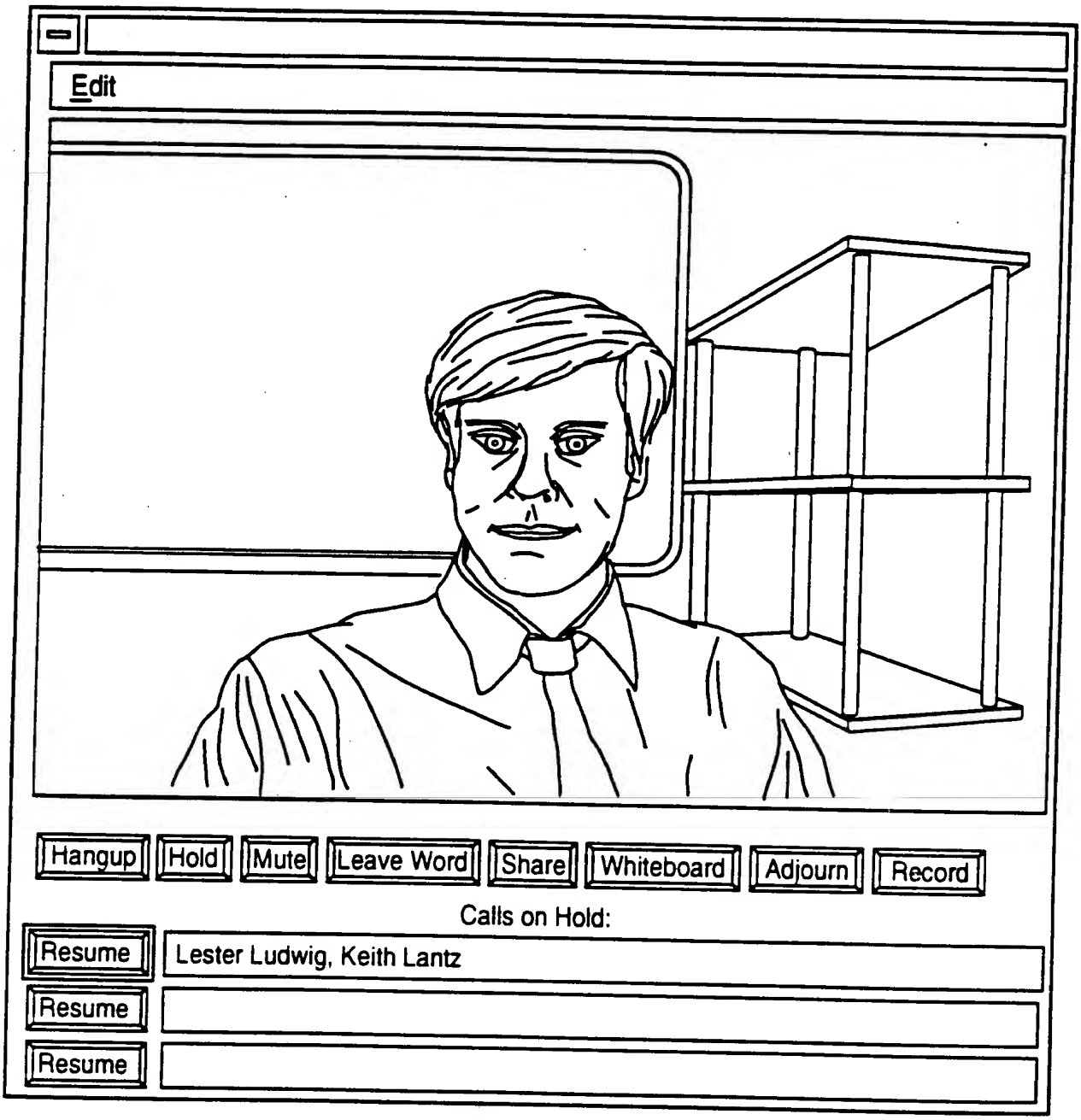
Edit
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Adjourn
Record
Calls on Hold:
Resume
Lester Ludwig, Keith Lantz
Resume
Resume

FIGURE 8A

Docket No. 95-0556.00

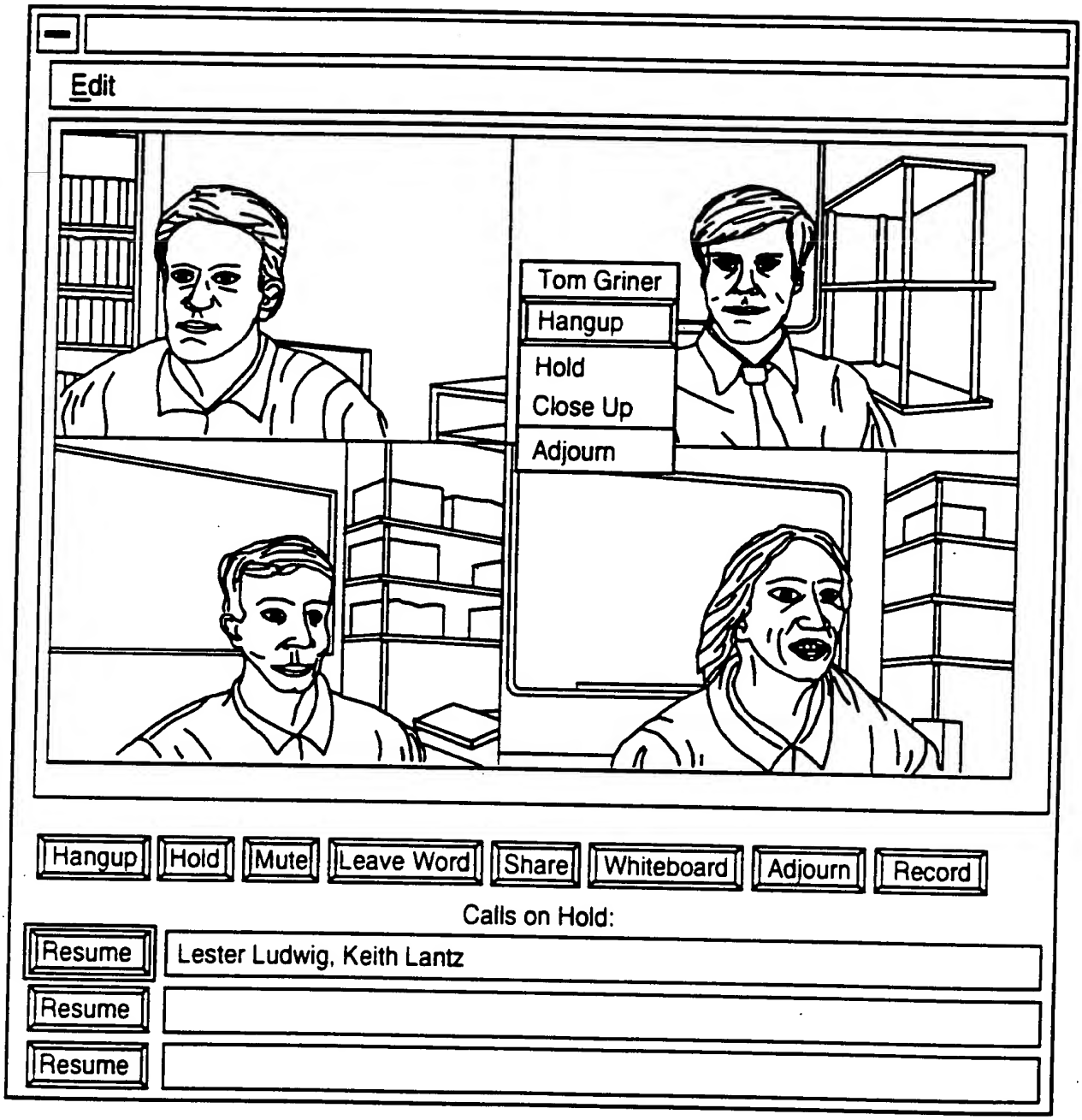

FIGURE 8B

865050 6n52060

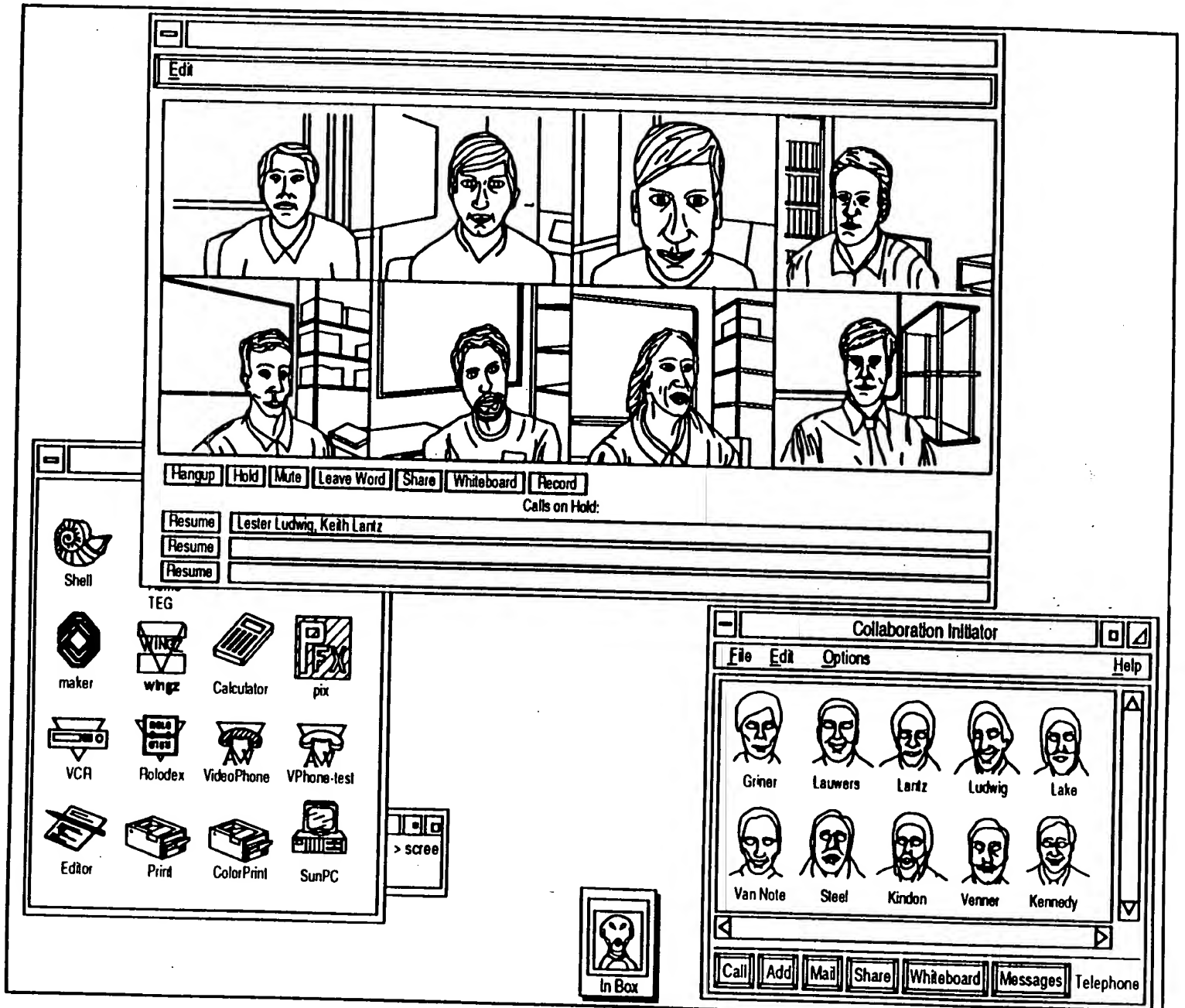

FIGURE 8C

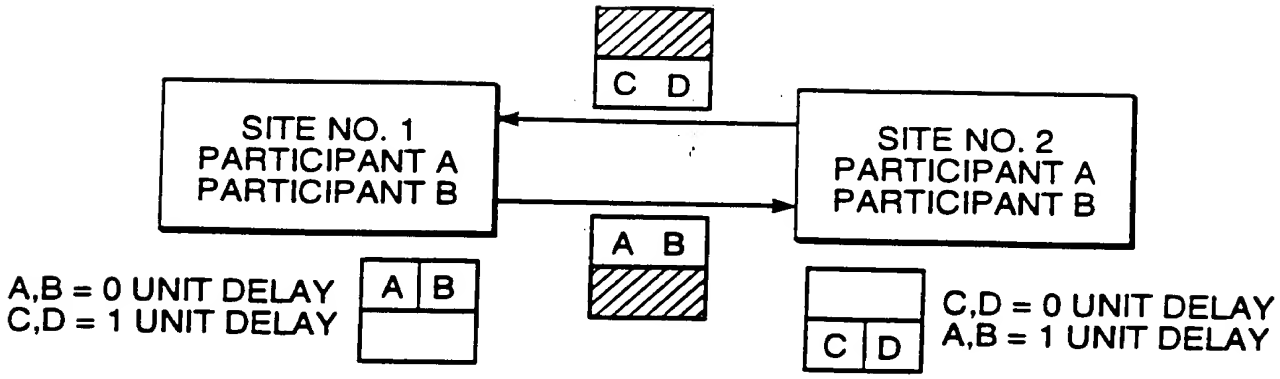

FIGURE 12A

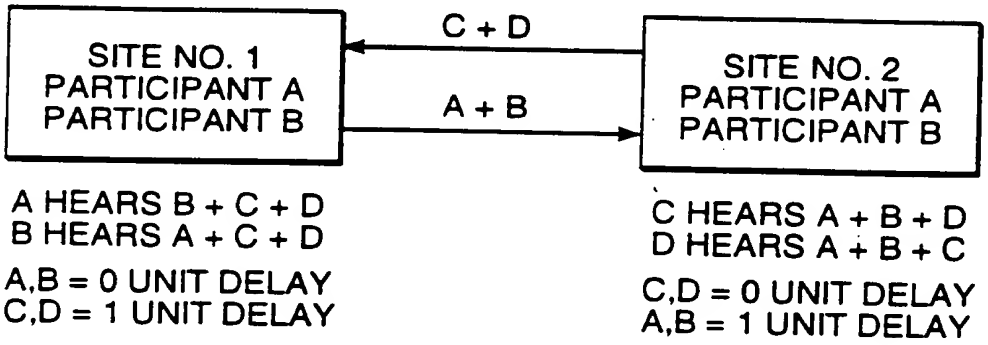

FIGURE 12B

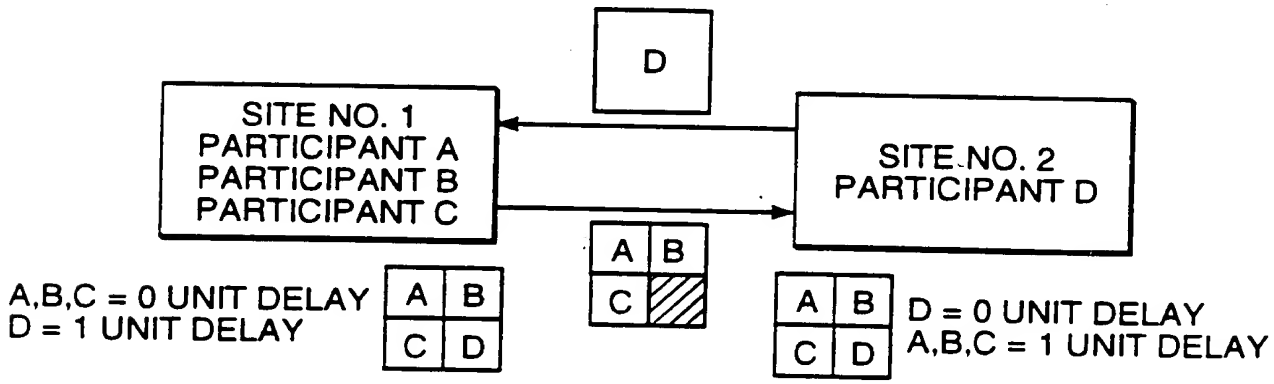

FIGURE 13A

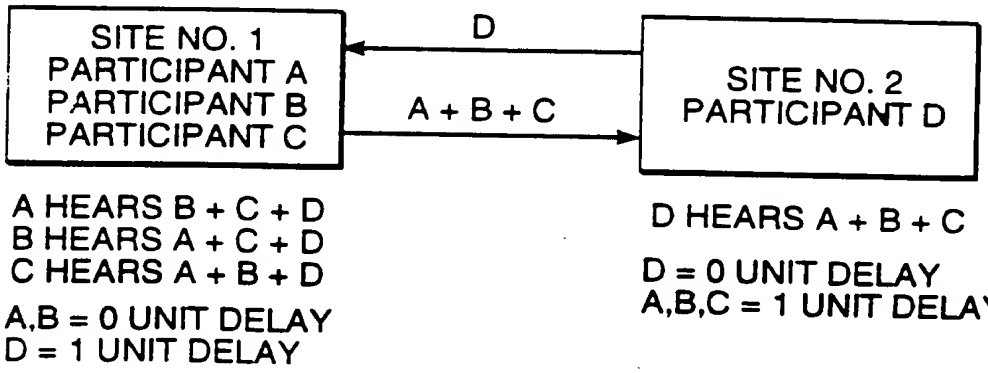

FIGURE 13B

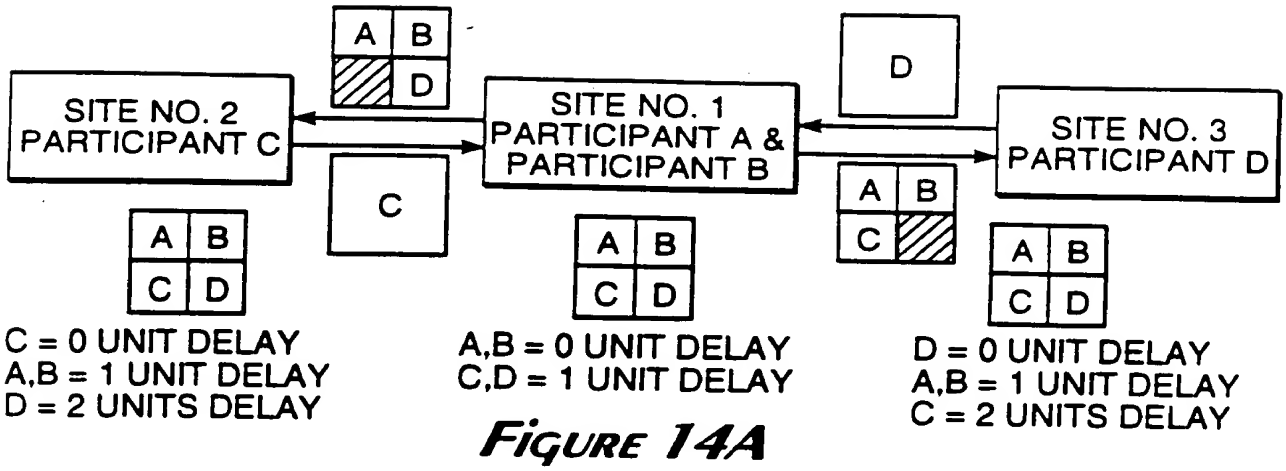

FIGURE 14A

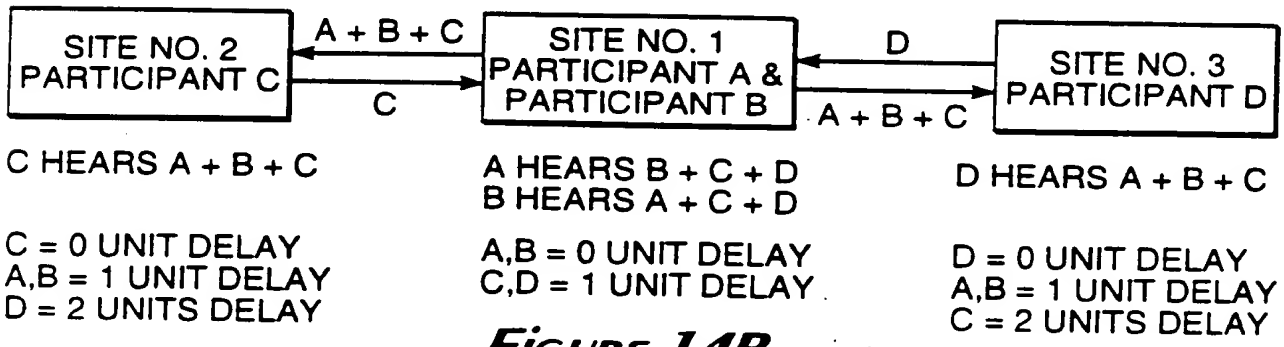

FIGURE 14B

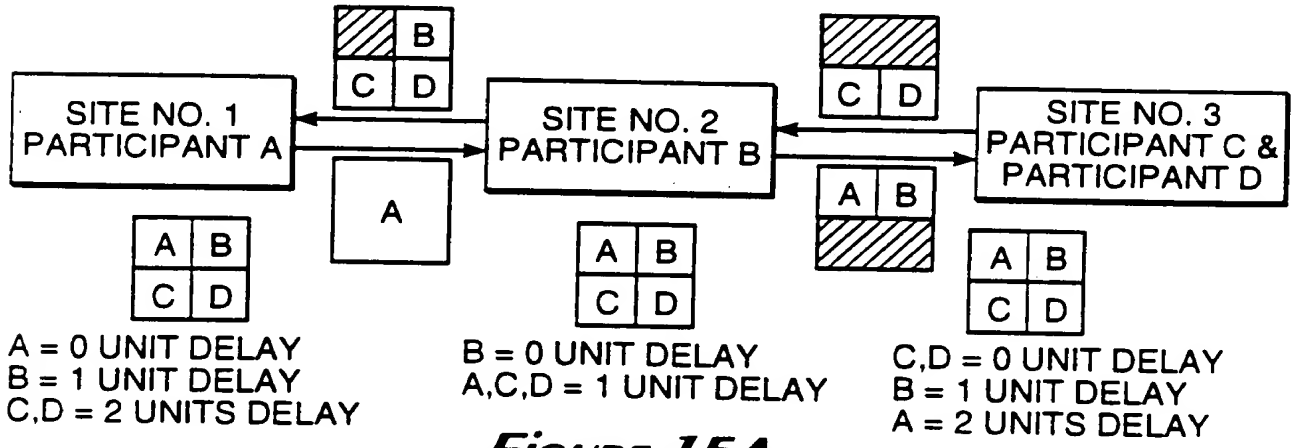

FIGURE 15A

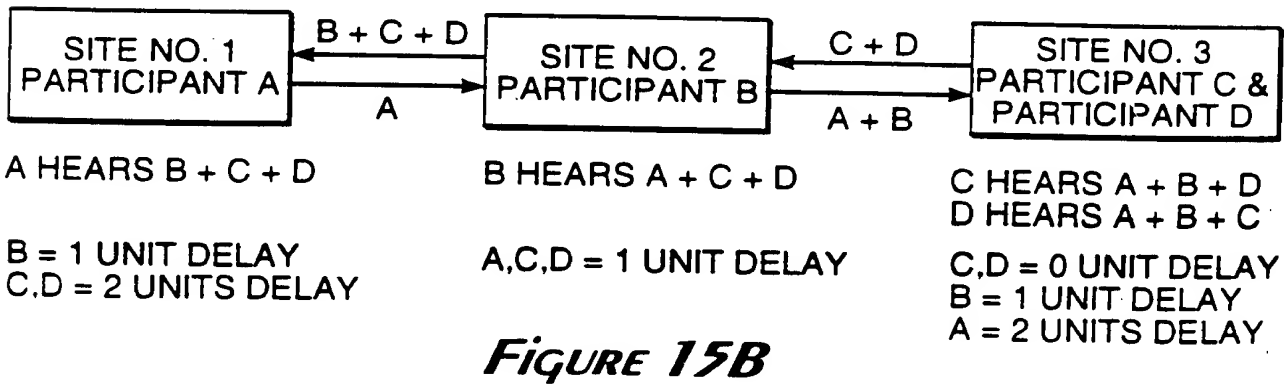

FIGURE 15B

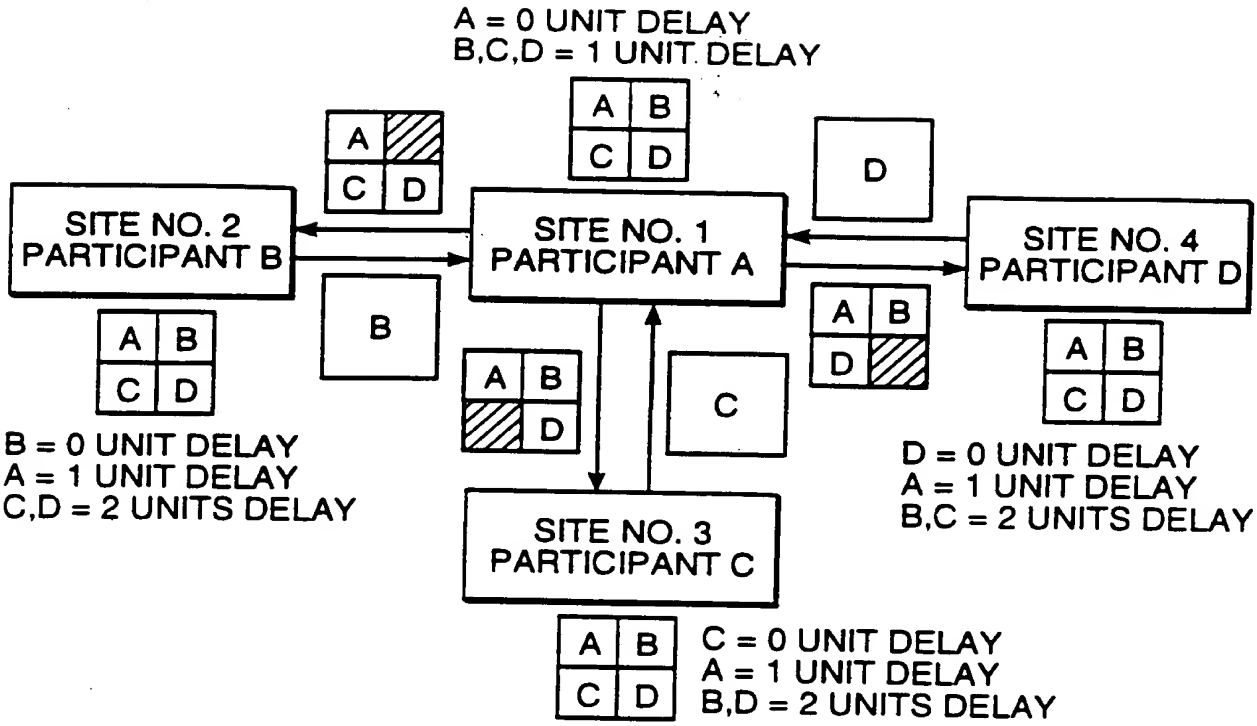
A = 0 UNIT DELAY
B,C,D = 1 UNIT DELAY
SITE NO. 1
PARTICIPANT A
SITE NO. 2
PARTICIPANT B
SITE NO. 3
PARTICIPANT C
SITE NO. 4
PARTICIPANT D
B = 0 UNIT DELAY
A = 1 UNIT DELAY
C,D = 2 UNITS DELAY
C = 0 UNIT DELAY
A = 1 UNIT DELAY
B,D = 2 UNITS DELAY
D = 0 UNIT DELAY
A = 1 UNIT DELAY
B,C = 2 UNITS DELAY

FIGURE 16

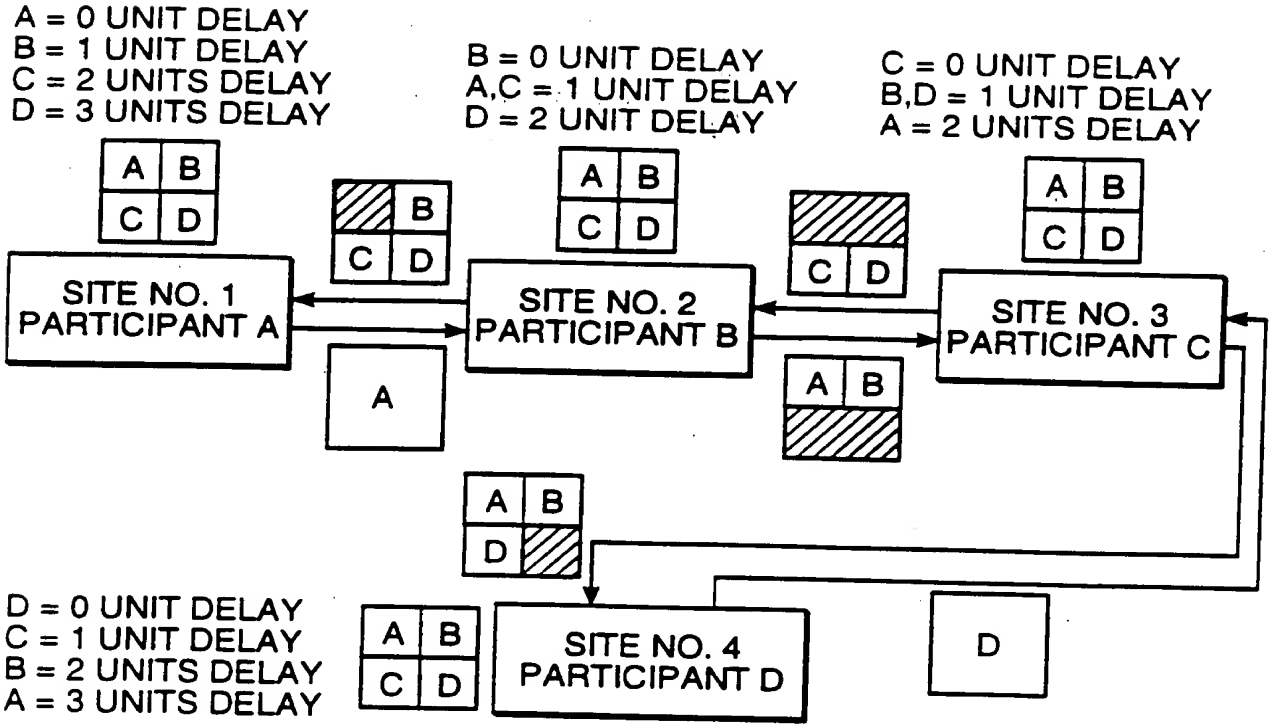

FIGURE 17A

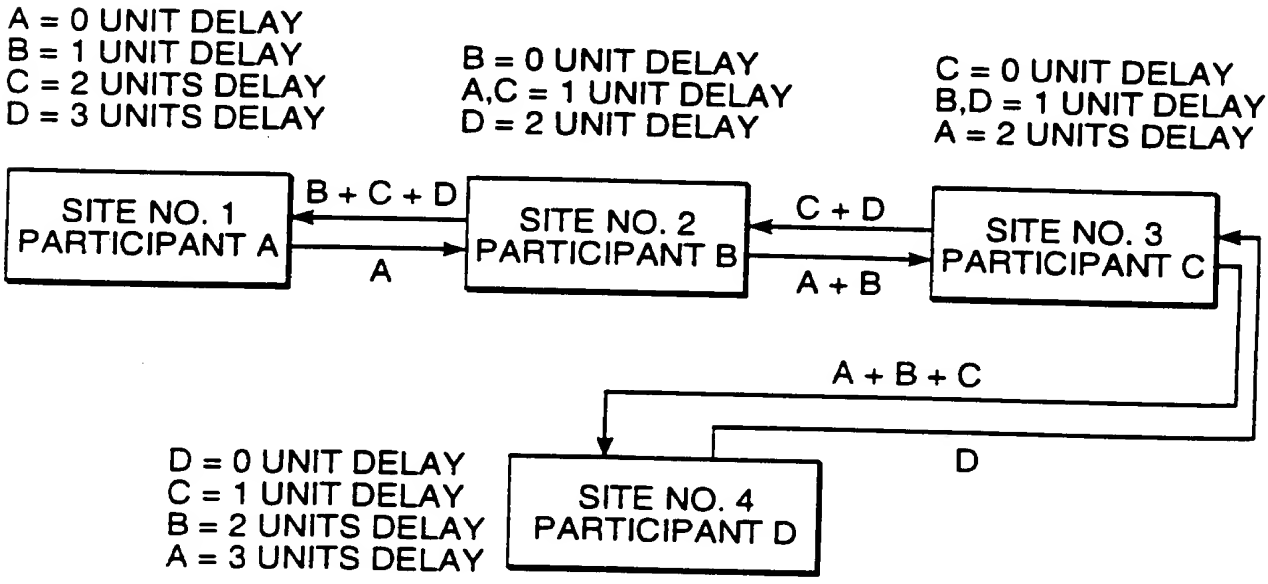

FIGURE 17B

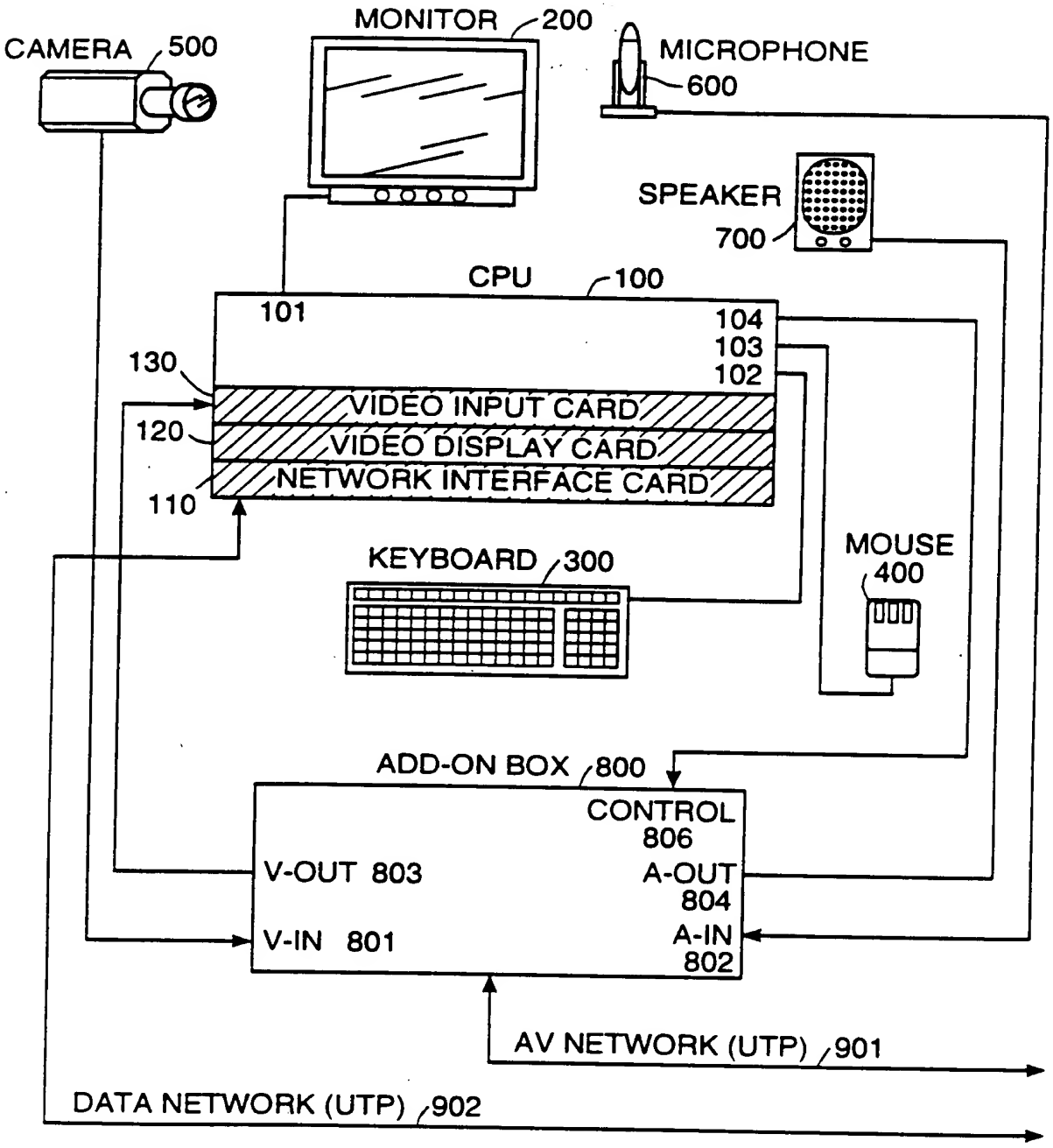
MONITOR 200
CAMERA 500
MICROPHONE 600
SPEAKER 700
CPU 100
101
104
103
102
130
VIDEO INPUT CARD
120
VIDEO DISPLAY CARD
NETWORK INTERFACE CARD
110
KEYBOARD 300
MOUSE 400
ADD-ON BOX 800
CONTROL 806
V-OUT 803
A-OUT 804
V-IN 801
A-IN 802
AV NETWORK (UTP) 901
DATA NETWORK (UTP) 902

FIGURE 18A

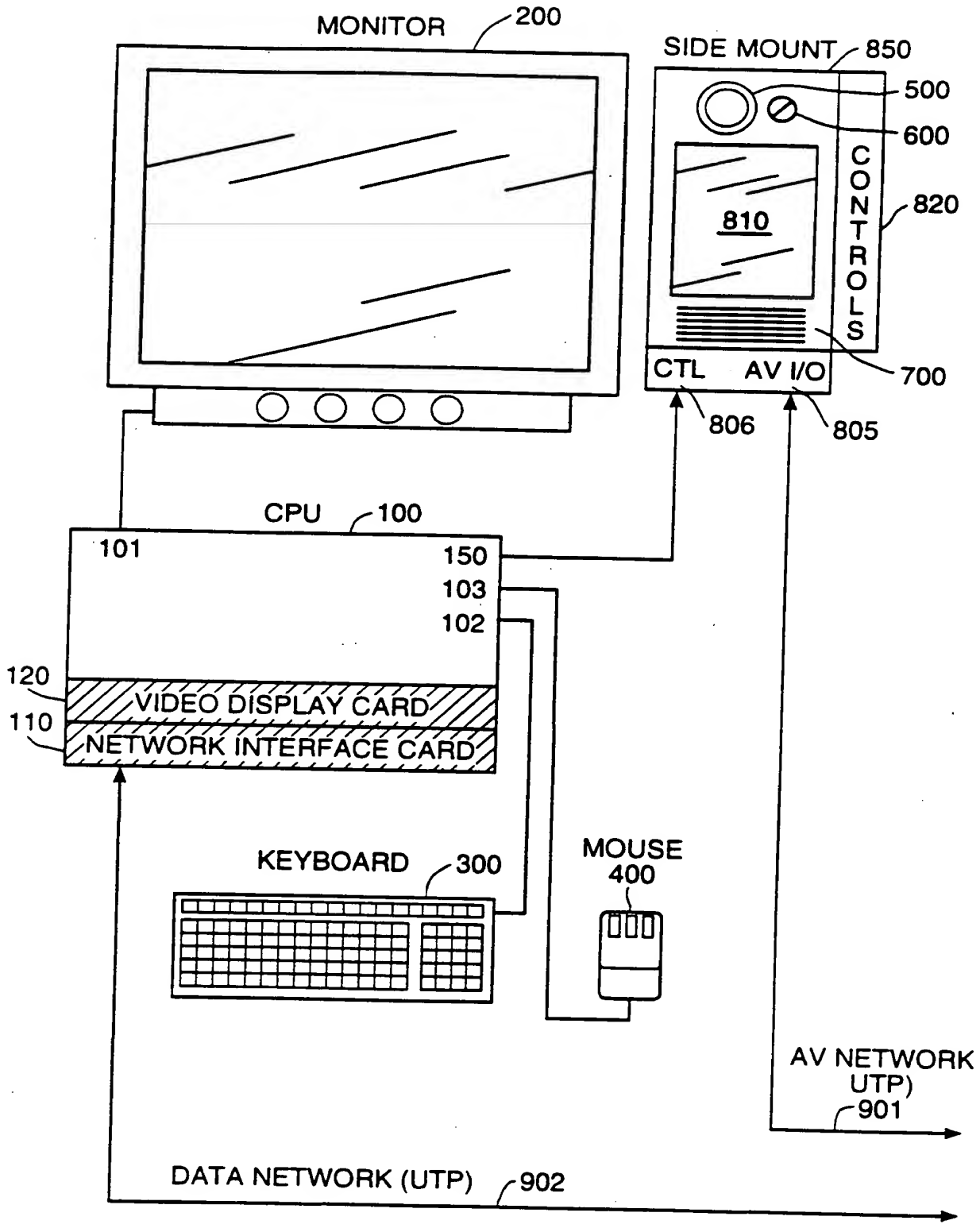
MONITOR
200
SIDE MOUNT
850
500
600
820
810
CONTROLS
CTL
AV I/O
700
806
805
CPU
100
101
150
103
102
120
VIDEO DISPLAY CARD
110
NETWORK INTERFACE CARD
KEYBOARD
300
MOUSE
400
AV NETWORK
UTP)
901
DATA NETWORK (UTP)
902

FIGURE 18B

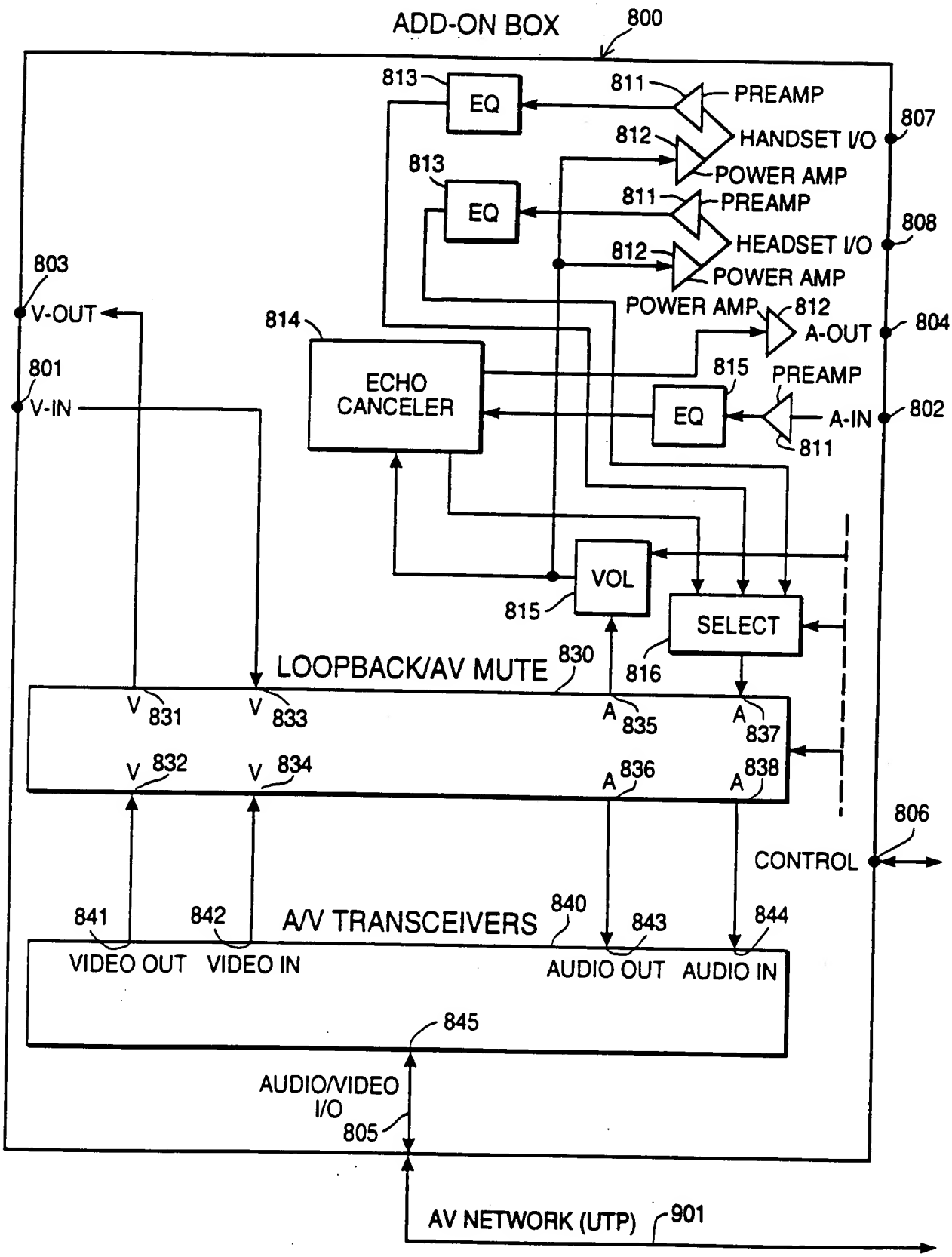
ADD-ON BOX
800
813
EQ
811
PREAMP
807
812
HANDSET I/O
POWER AMP
813
EQ
811
PREAMP
808
812
HEADSET I/O
POWER AMP
803
V-OUT
POWER AMP
812
A-OUT
804
814
ECHO CANCELER
801
V-IN
815
EQ
PREAMP
A-IN
802
811
VOL
815
SELECT
816
LOOPBACK/AV MUTE
830
V 831
V 833
A 835
A 837
V 832
V 834
A 836
A 838
806
CONTROL
841
842
A/V TRANSCEIVERS
840
843
844
VIDEO OUT
VIDEO IN
AUDIO OUT
AUDIO IN
845
AUDIO/VIDEO I/O
805
AV NETWORK (UTP)
901

FIGURE 19

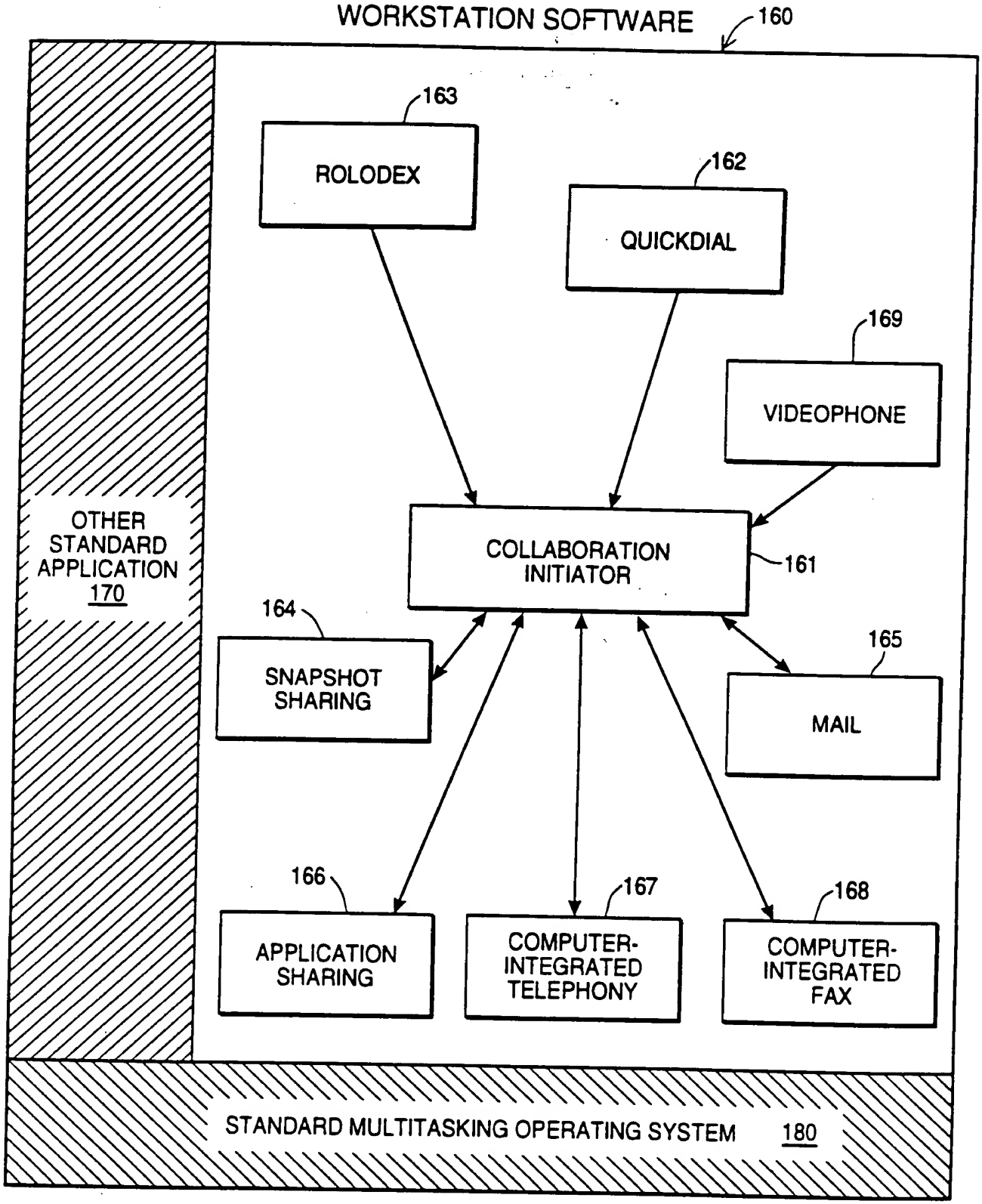
WORKSTATION SOFTWARE
160
163
ROLODEX
162
QUICKDIAL
169
VIDEOPHONE
OTHER STANDARD APPLICATION 170
COLLABORATION INITIATOR
161
164
SNAPSHOT SHARING
165
MAIL
166
APPLICATION SHARING
167
COMPUTER-INTEGRATED TELEPHONY
168
COMPUTER-INTEGRATED FAX
STANDARD MULTITASKING OPERATING SYSTEM 180

FIGURE 20

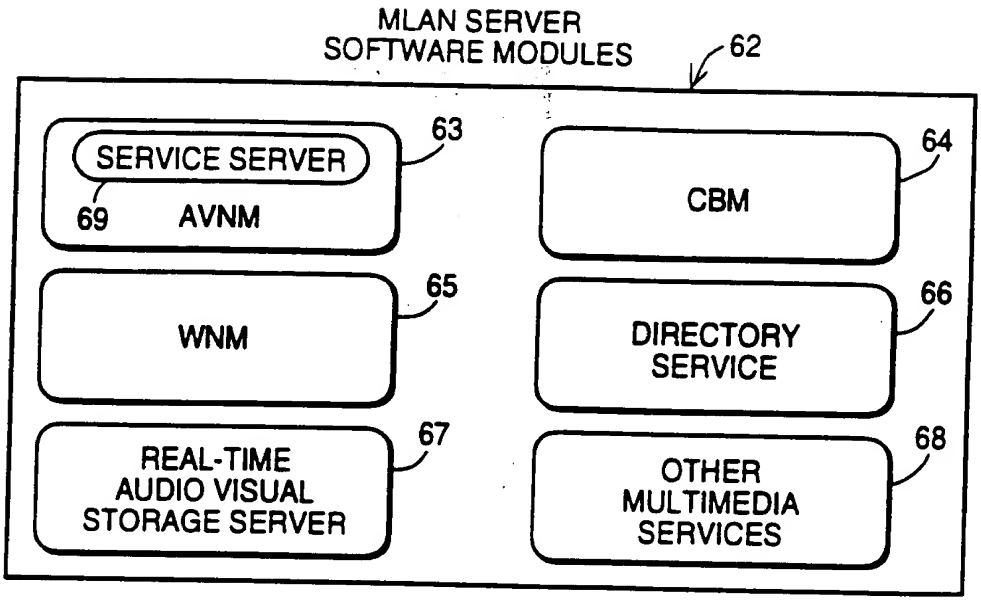

FIGURE 21

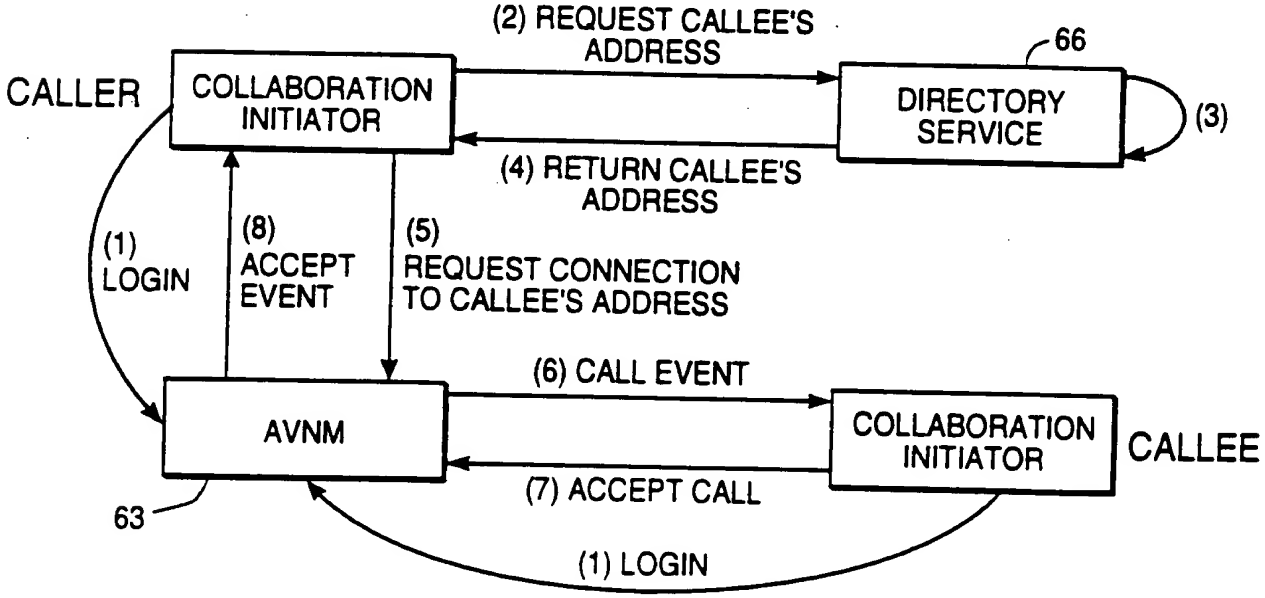

FIGURE 23

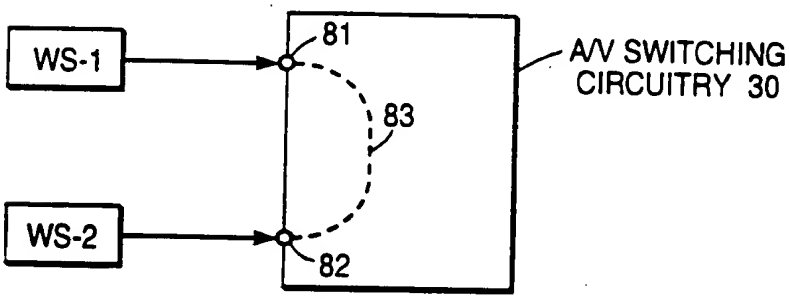

FIGURE 24

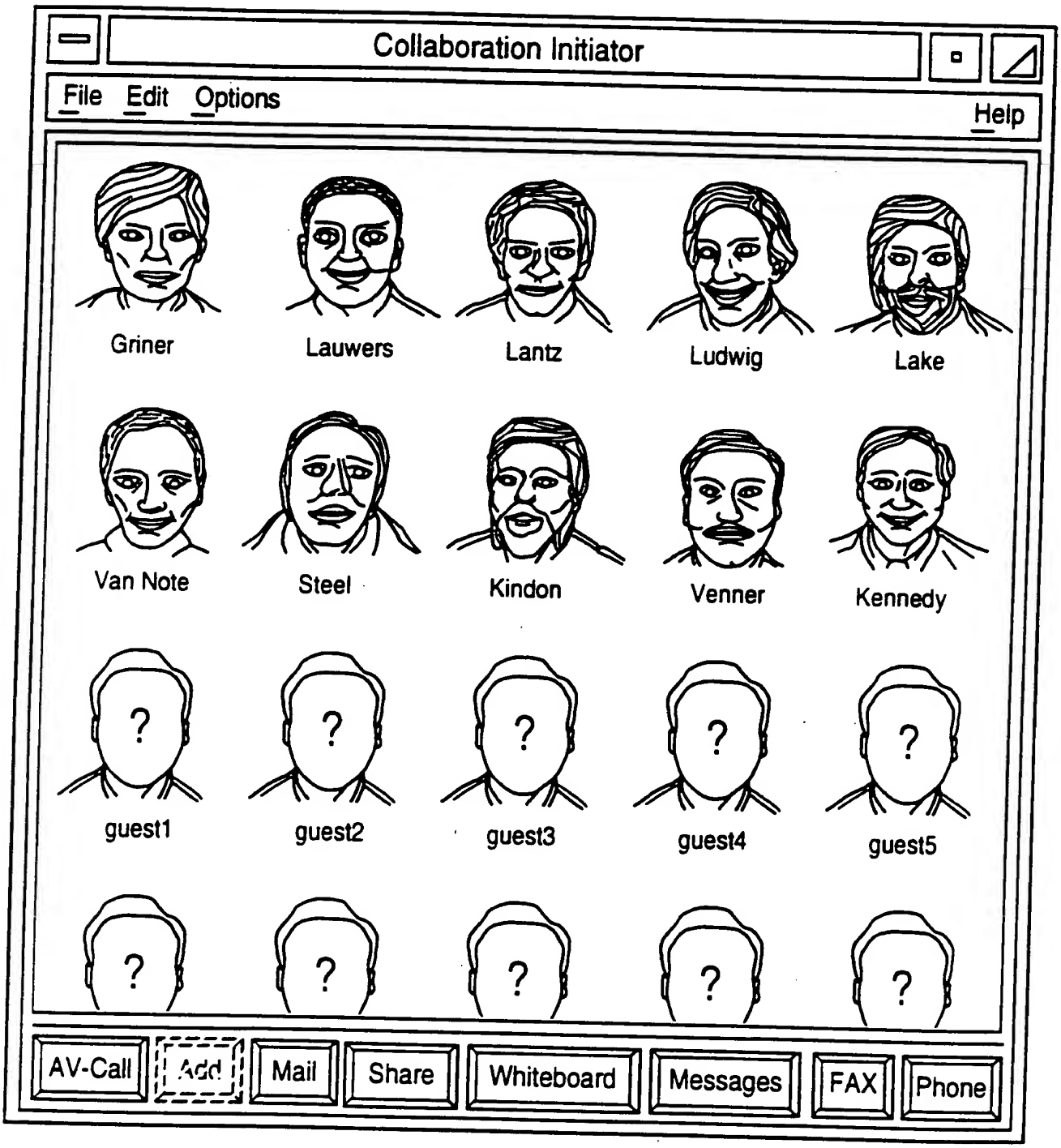
Collaboration Initiator
File Edit Options
Help
Griner
Lauwers
Lantz
Ludwig
Lake
Van Note
Steel
Kindon
Venner
Kennedy
guest1
guest2
guest3
guest4
guest5
AV-Call
Add
Mail
Share
Whiteboard
Messages
FAX
Phone

FIGURE 22

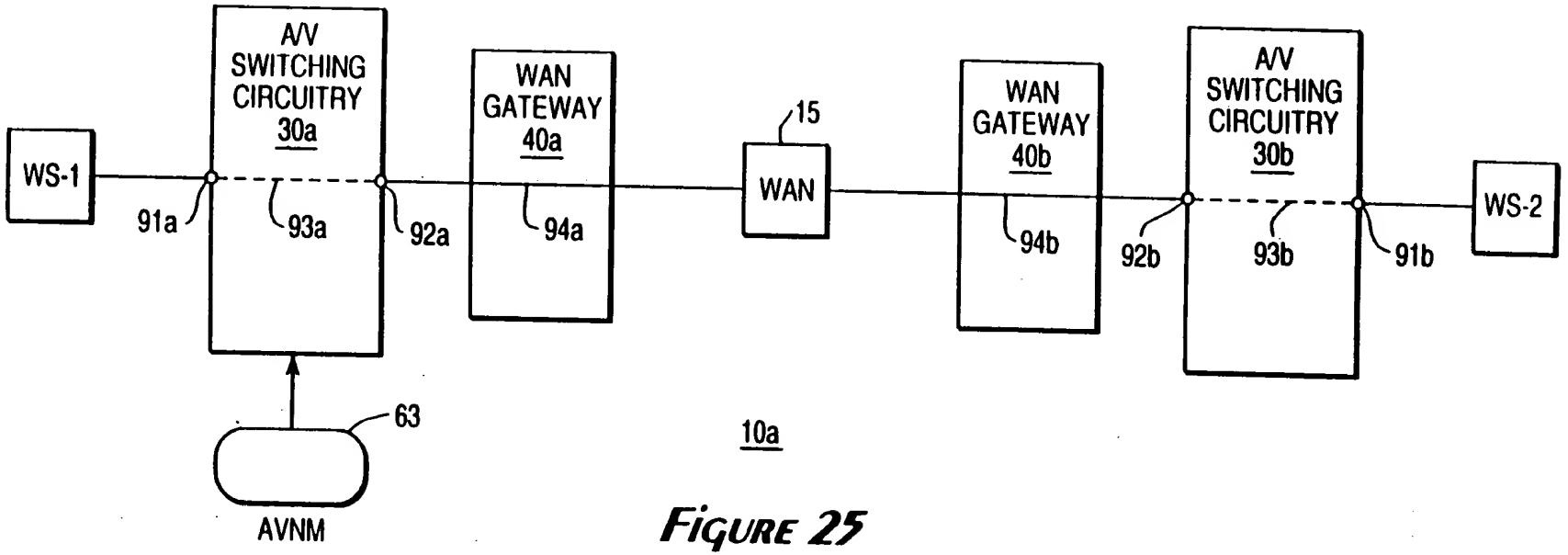

FIGURE 25

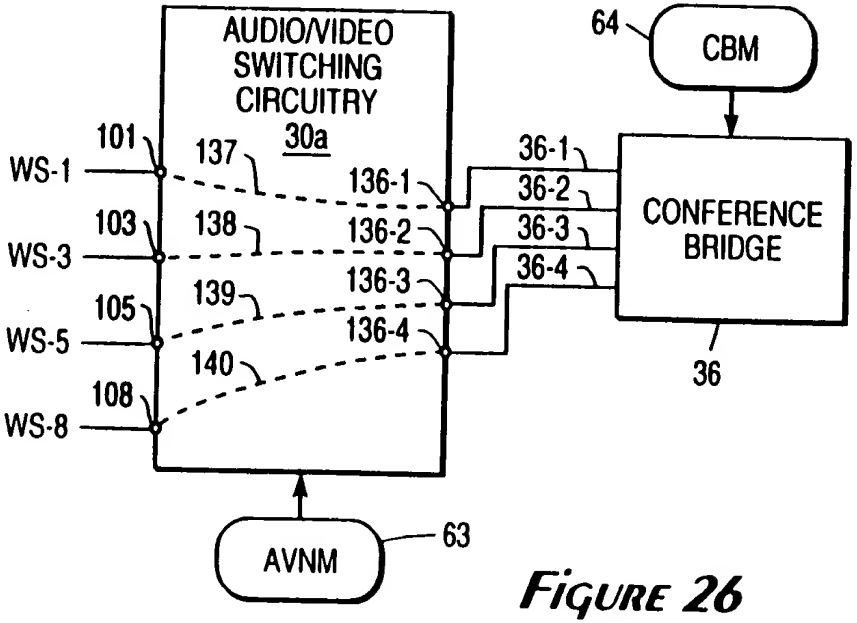

FIGURE 26

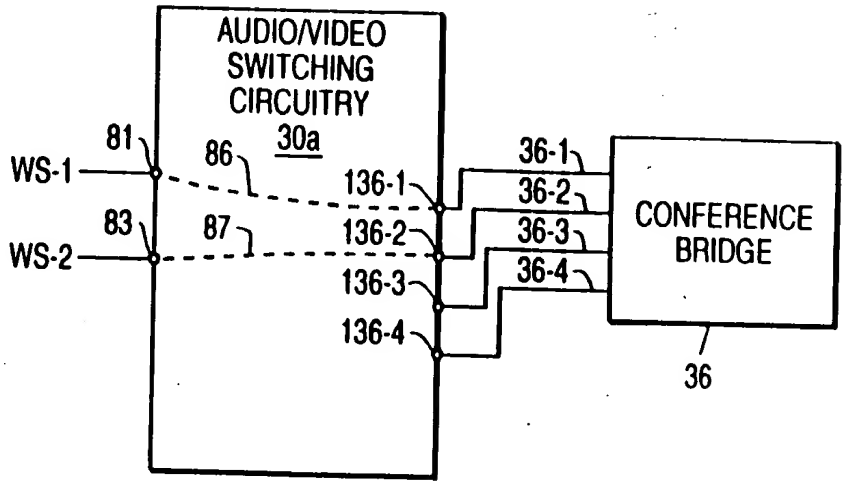

FIGURE 27

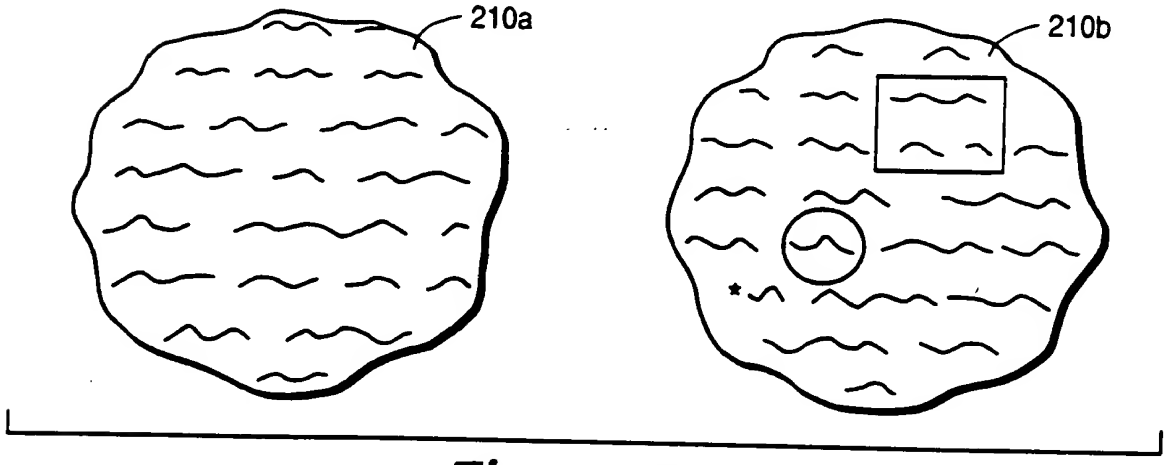

FIGURE 28

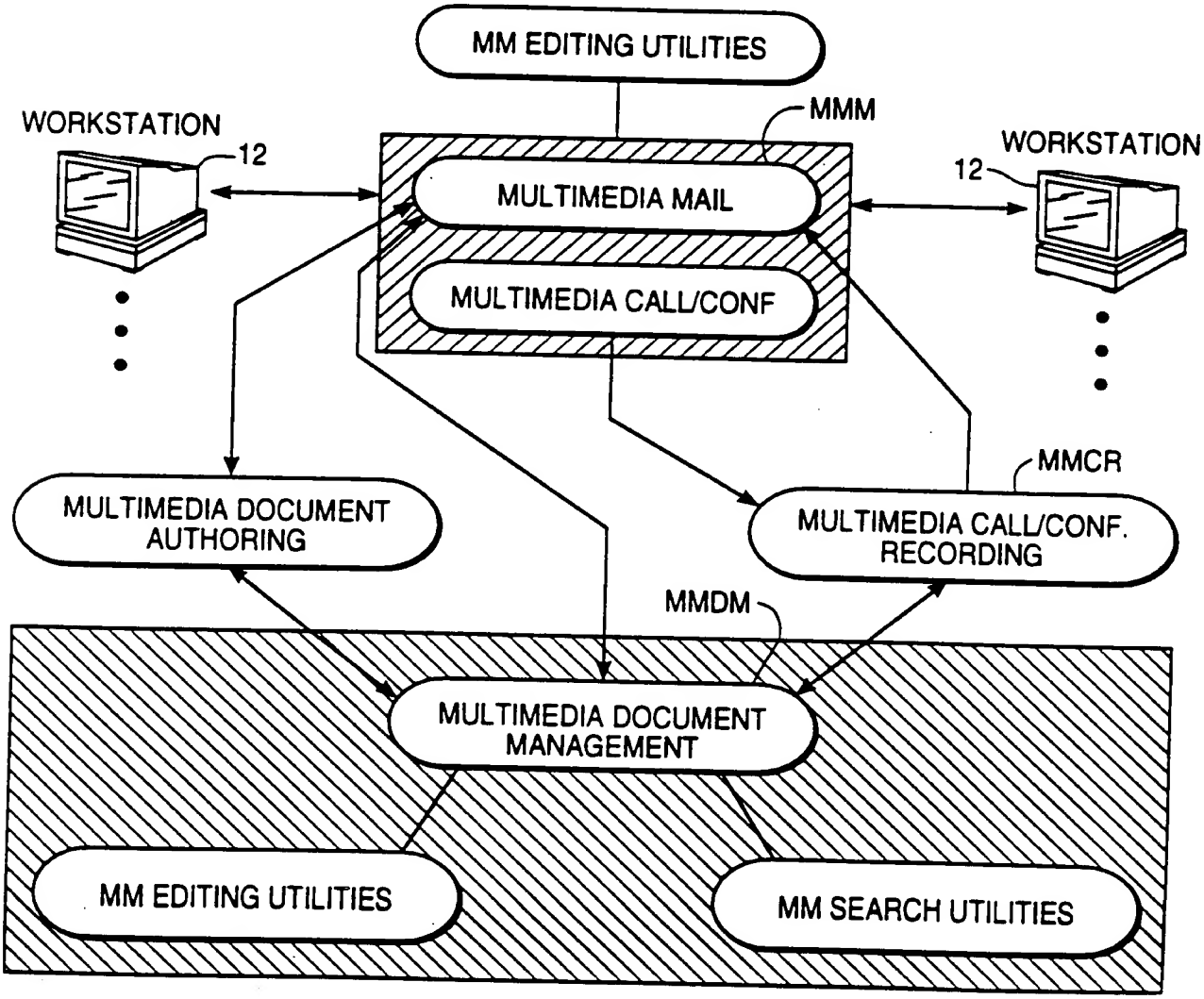

FIGURE 29

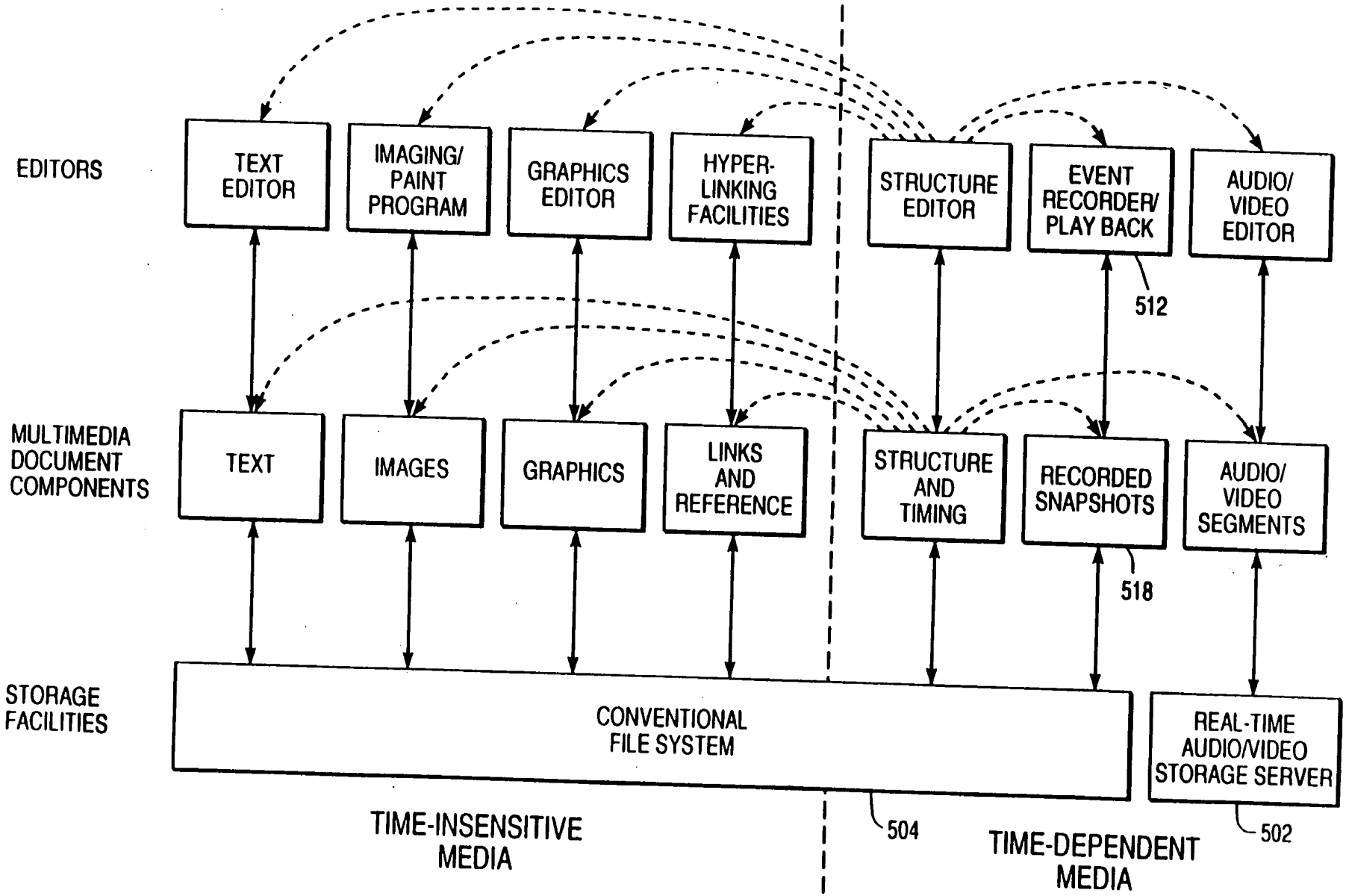
EDITORS
TEXT EDITOR
IMAGING/ PAINT PROGRAM
GRAPHICS EDITOR
HYPER-LINKING FACILITIES
STRUCTURE EDITOR
EVENT RECORDER/ PLAY BACK
AUDIO/ VIDEO EDITOR
512
MULTIMEDIA DOCUMENT COMPONENTS
TEXT
IMAGES
GRAPHICS
LINKS AND REFERENCE
STRUCTURE AND TIMING
RECORDED SNAPSHOTS
AUDIO/ VIDEO SEGMENTS
518
STORAGE FACILITIES
CONVENTIONAL FILE SYSTEM
REAL-TIME AUDIO/VIDEO STORAGE SERVER
TIME-INSENSITIVE MEDIA
504
TIME-DEPENDENT MEDIA
502

Figure 30

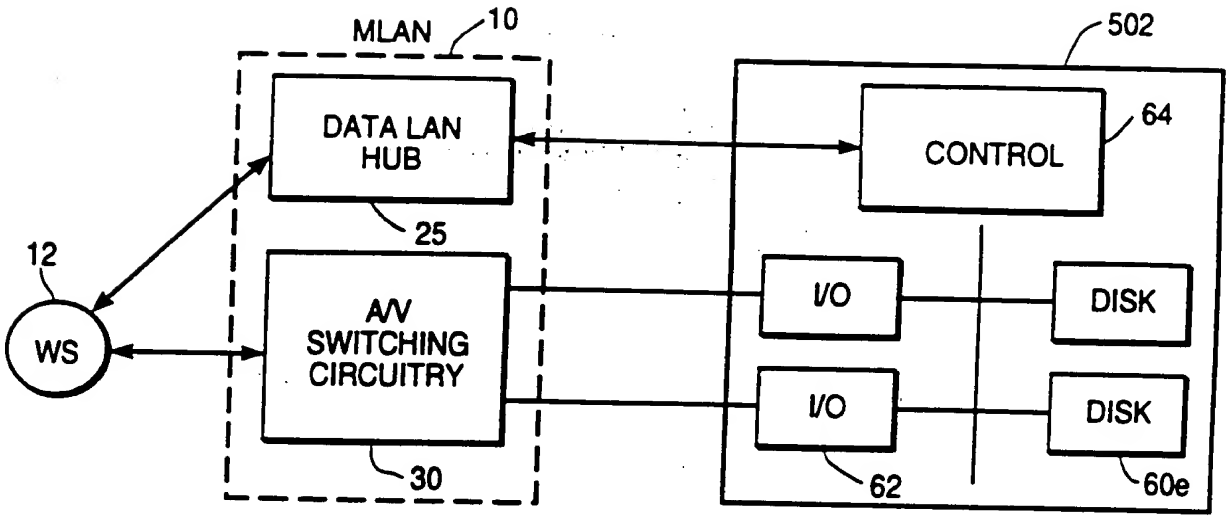

FIGURE 31A

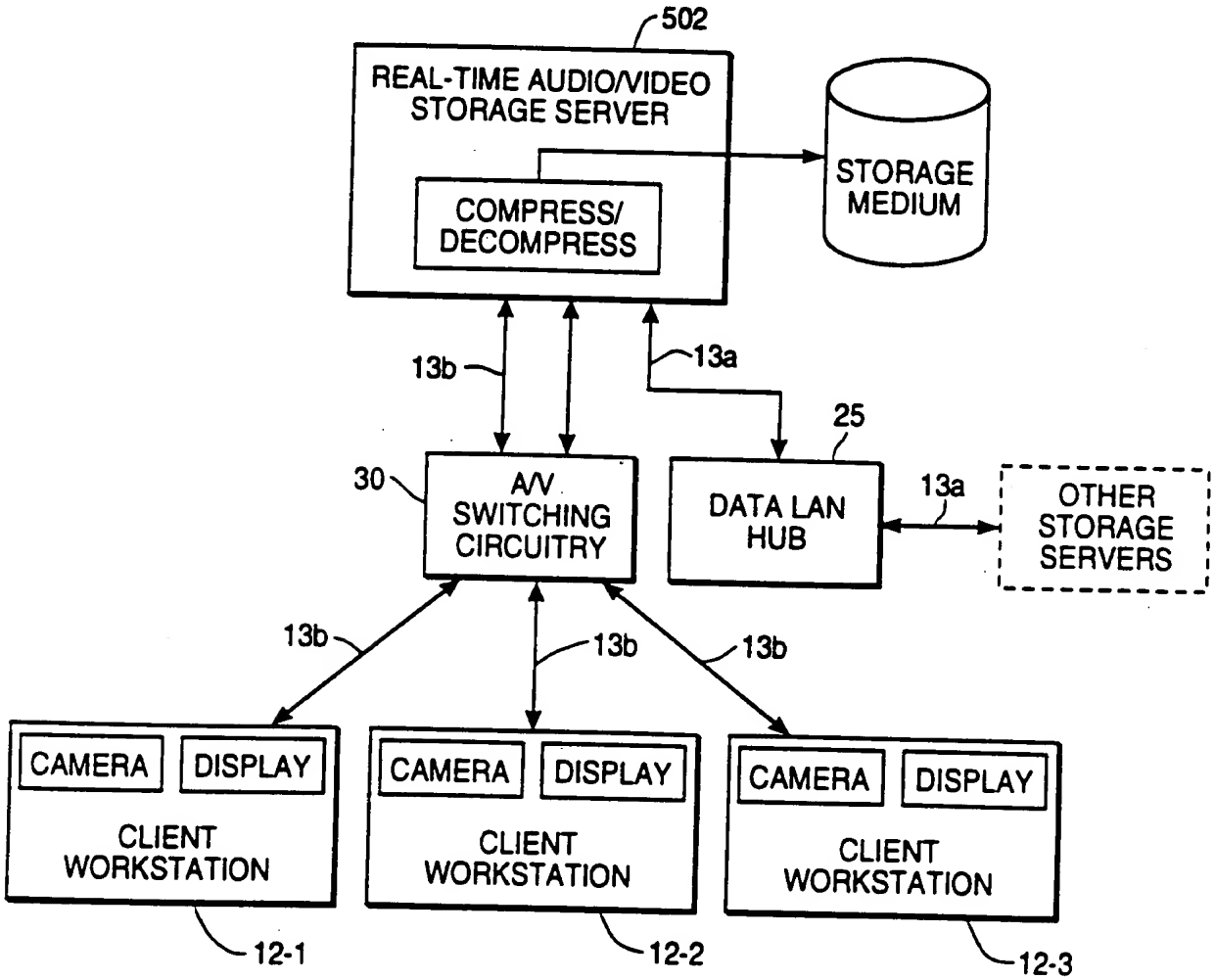

FIGURE 31B

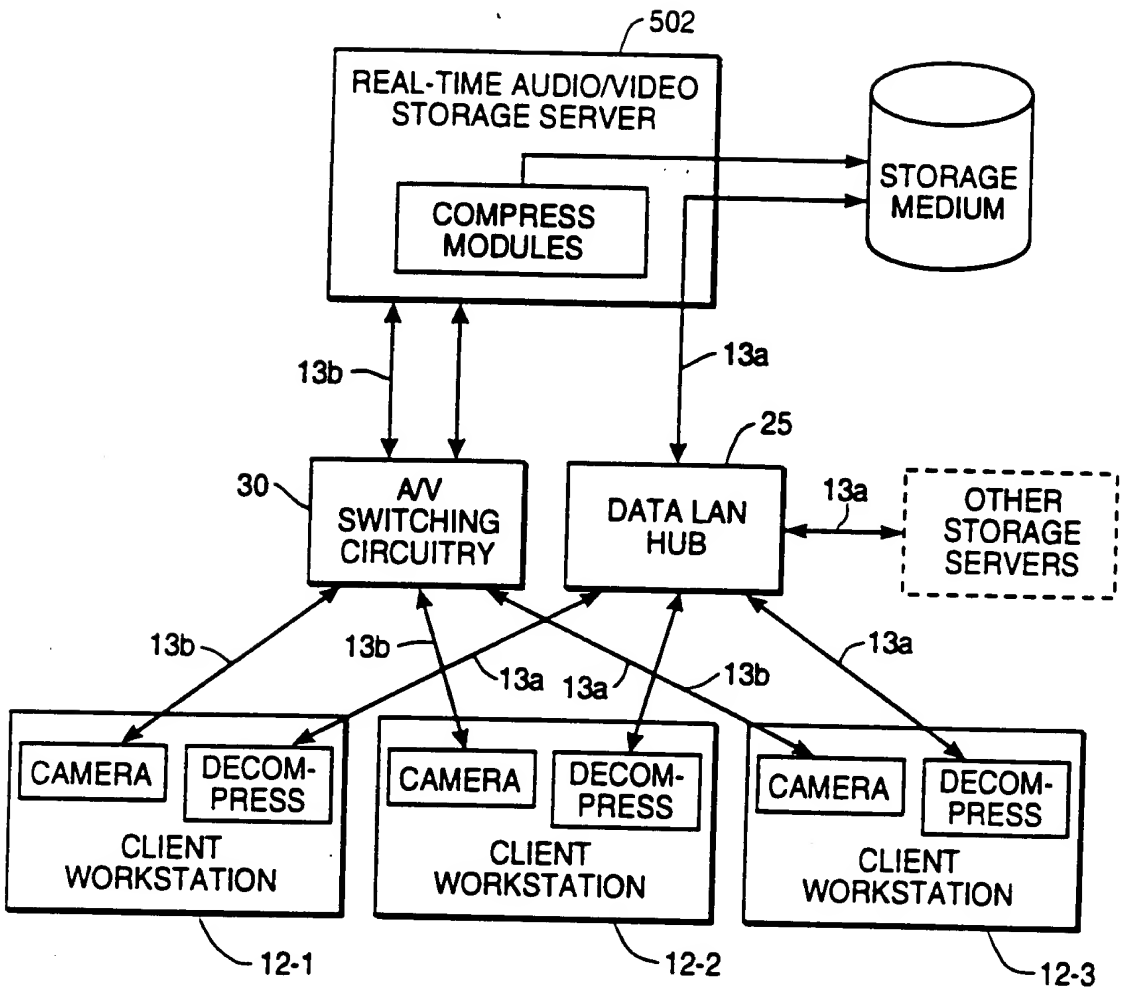

FIGURE 31C

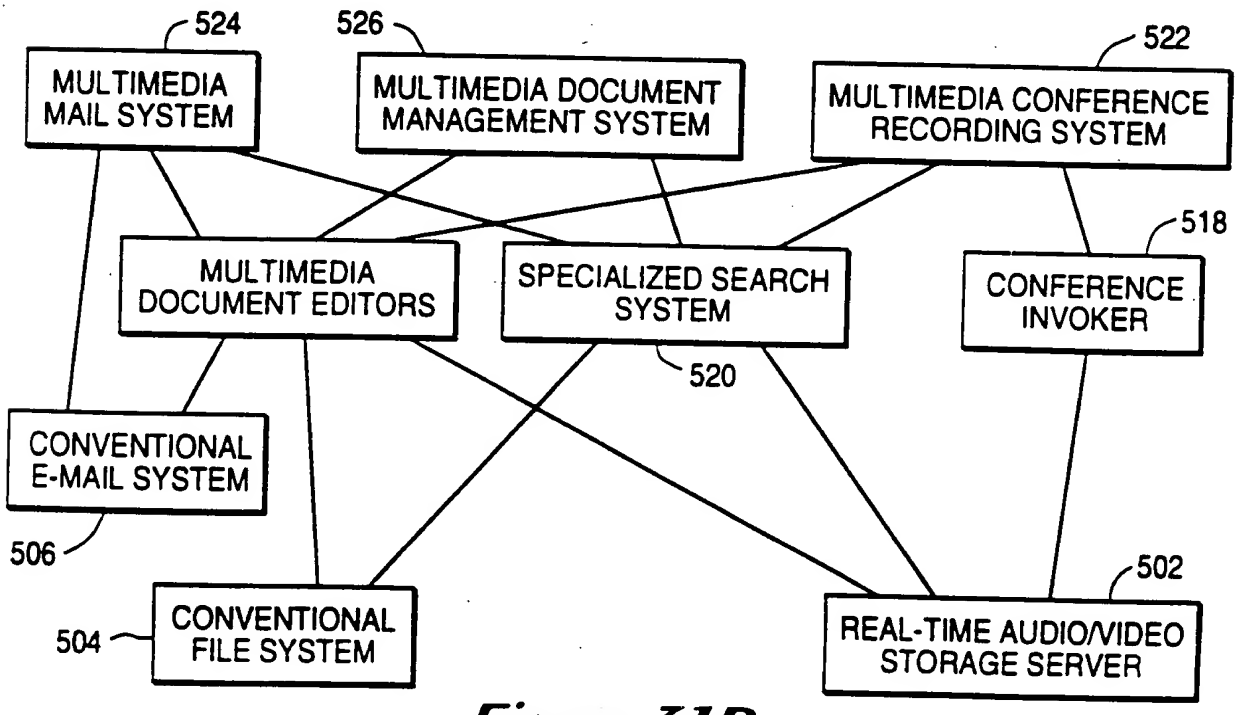

FIGURE 31D

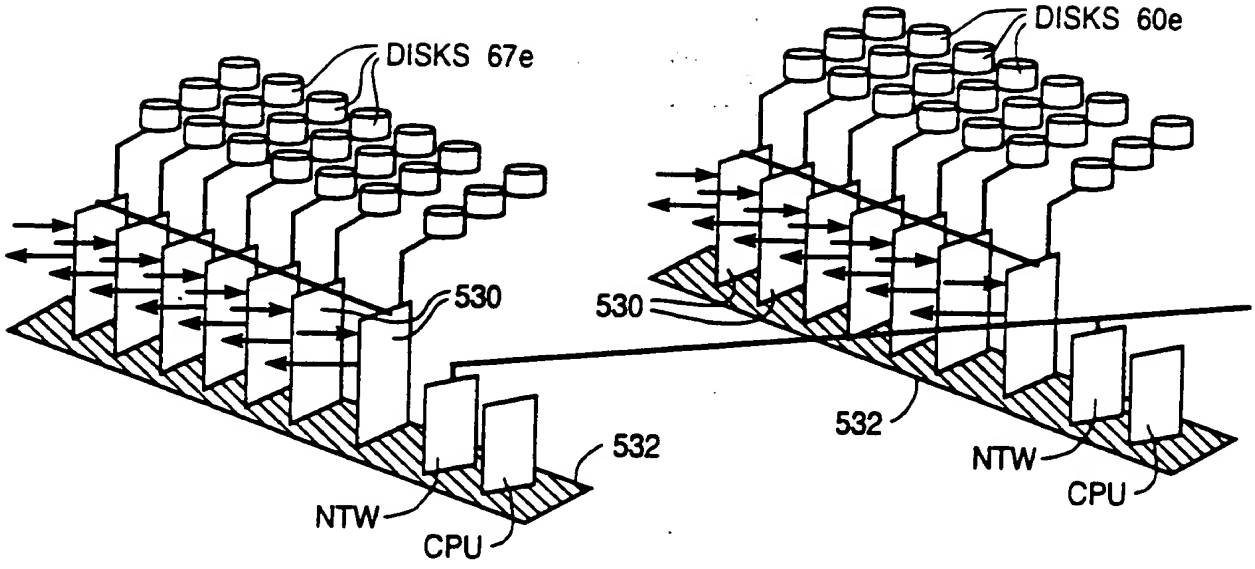

FIGURE 32

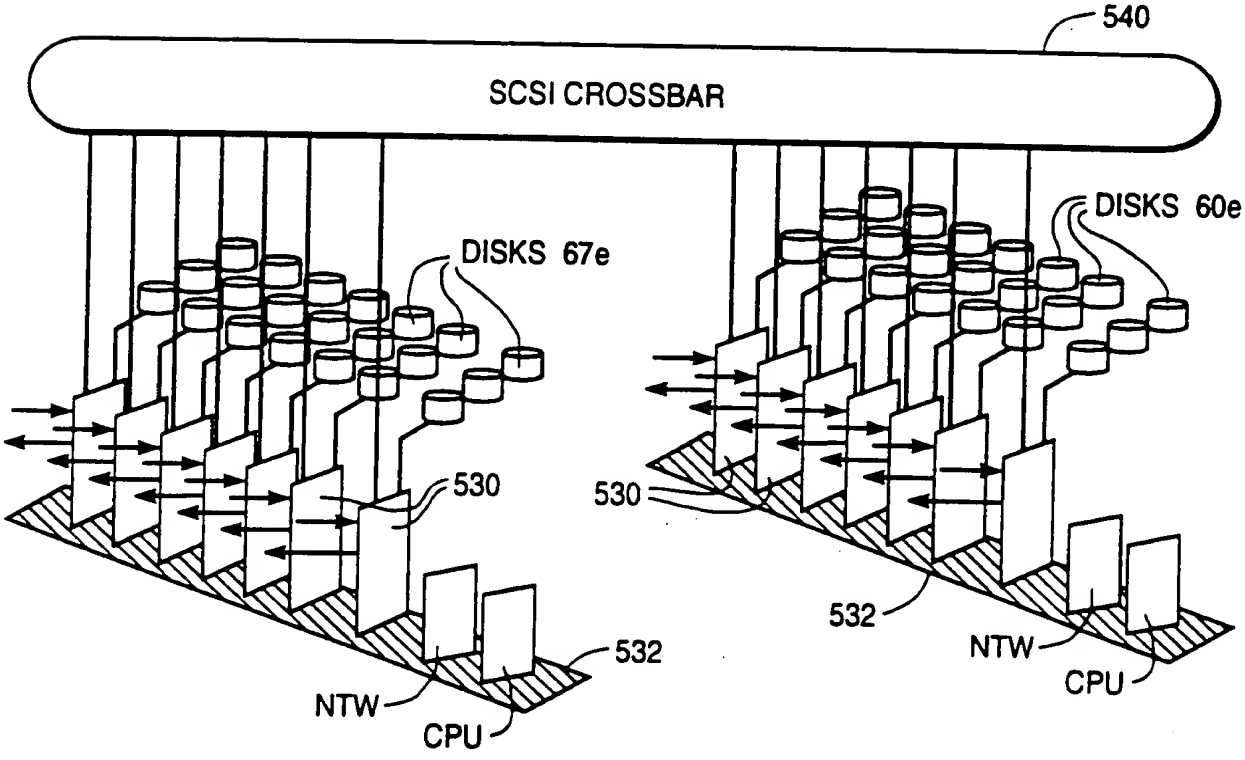

FIGURE 33

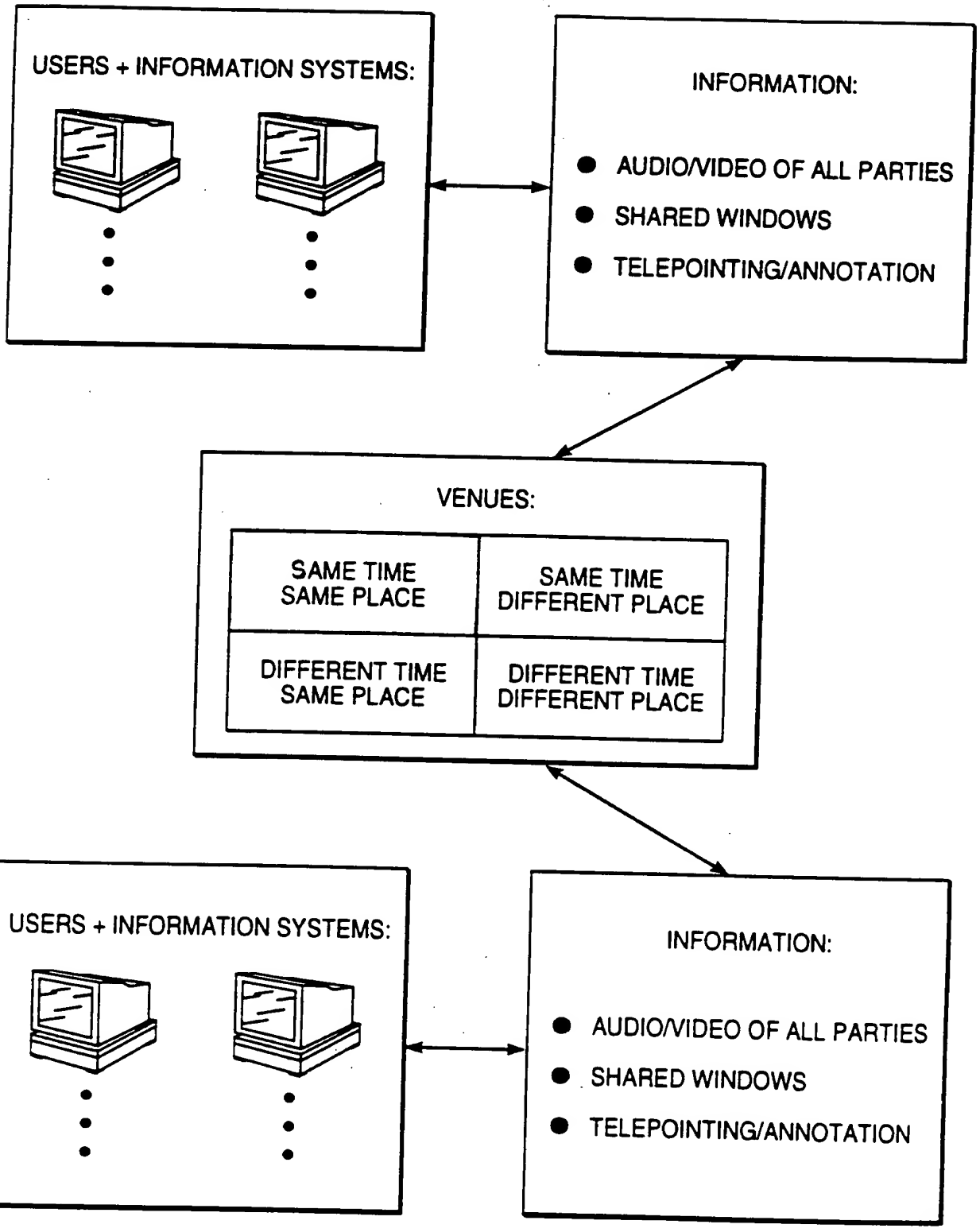
USERS + INFORMATION SYSTEMS:
INFORMATION:
AUDIO/VIDEO OF ALL PARTIES
SHARED WINDOWS
TELEPOINTING/ANNOTATION
VENUES:
SAME TIME SAME PLACE
SAME TIME DIFFERENT PLACE
DIFFERENT TIME SAME PLACE
DIFFERENT TIME DIFFERENT PLACE
USERS + INFORMATION SYSTEMS:
INFORMATION:
AUDIO/VIDEO OF ALL PARTIES
SHARED WINDOWS
TELEPOINTING/ANNOTATION

FIGURE 34

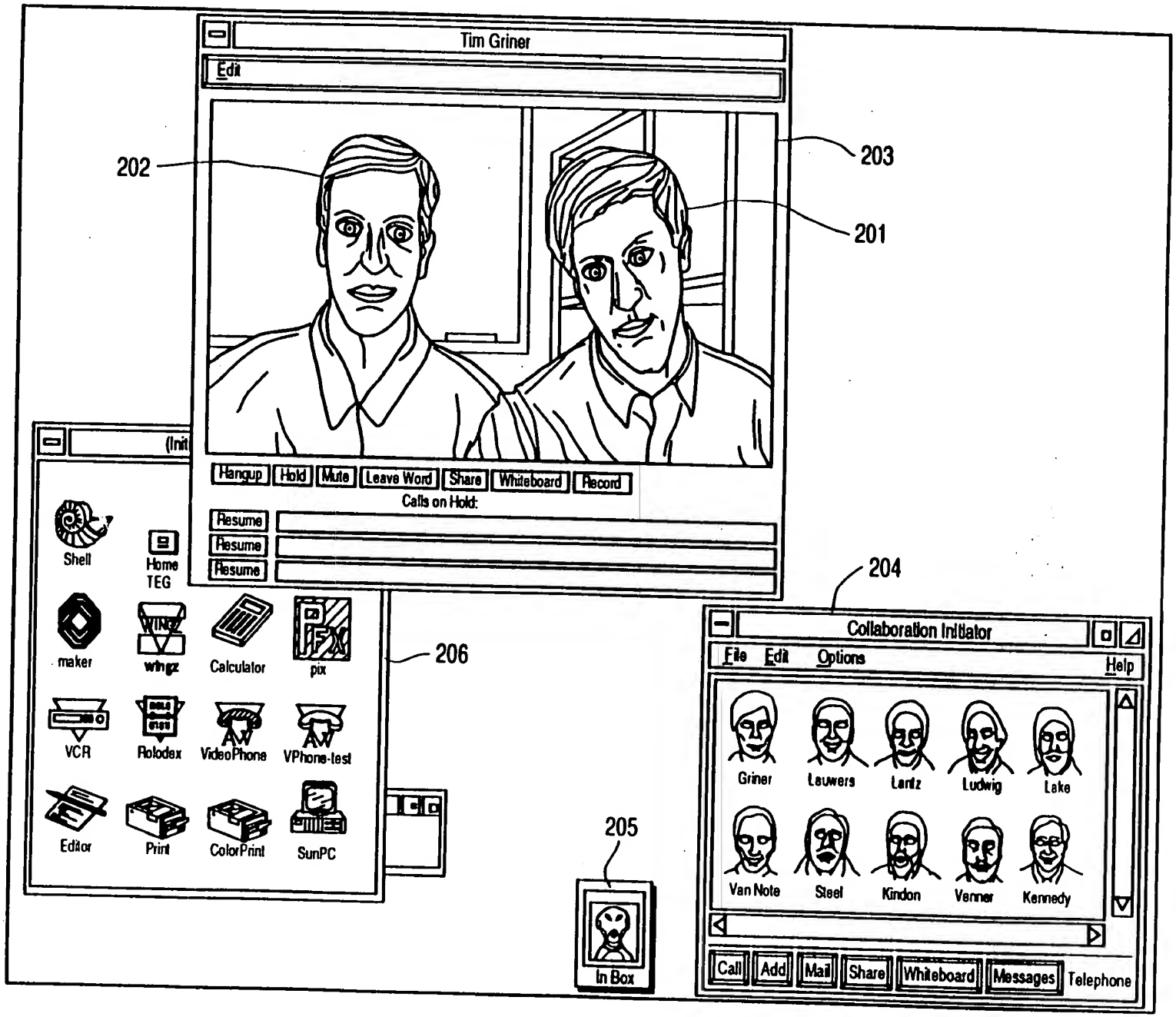
Tim Griner
Edit
202
203
201
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Record
Calls on Hold:
Resume
Resume
Resume
Shell
Home TEG
maker
wingz
Calculator
pix
206
VCR
Rolodex
VideoPhone
VPhone-test
Editor
Print
ColorPrint
SunPC
204
Collaboration Initiator
File
Edit
Options
Help
Griner
Lauwers
Lantz
Ludwig
Lake
Van Note
Steel
Kindon
Venner
Kennedy
Call
Add
Mail
Share
Whiteboard
Messages
Telephone
205
In Box

FIGURE 35

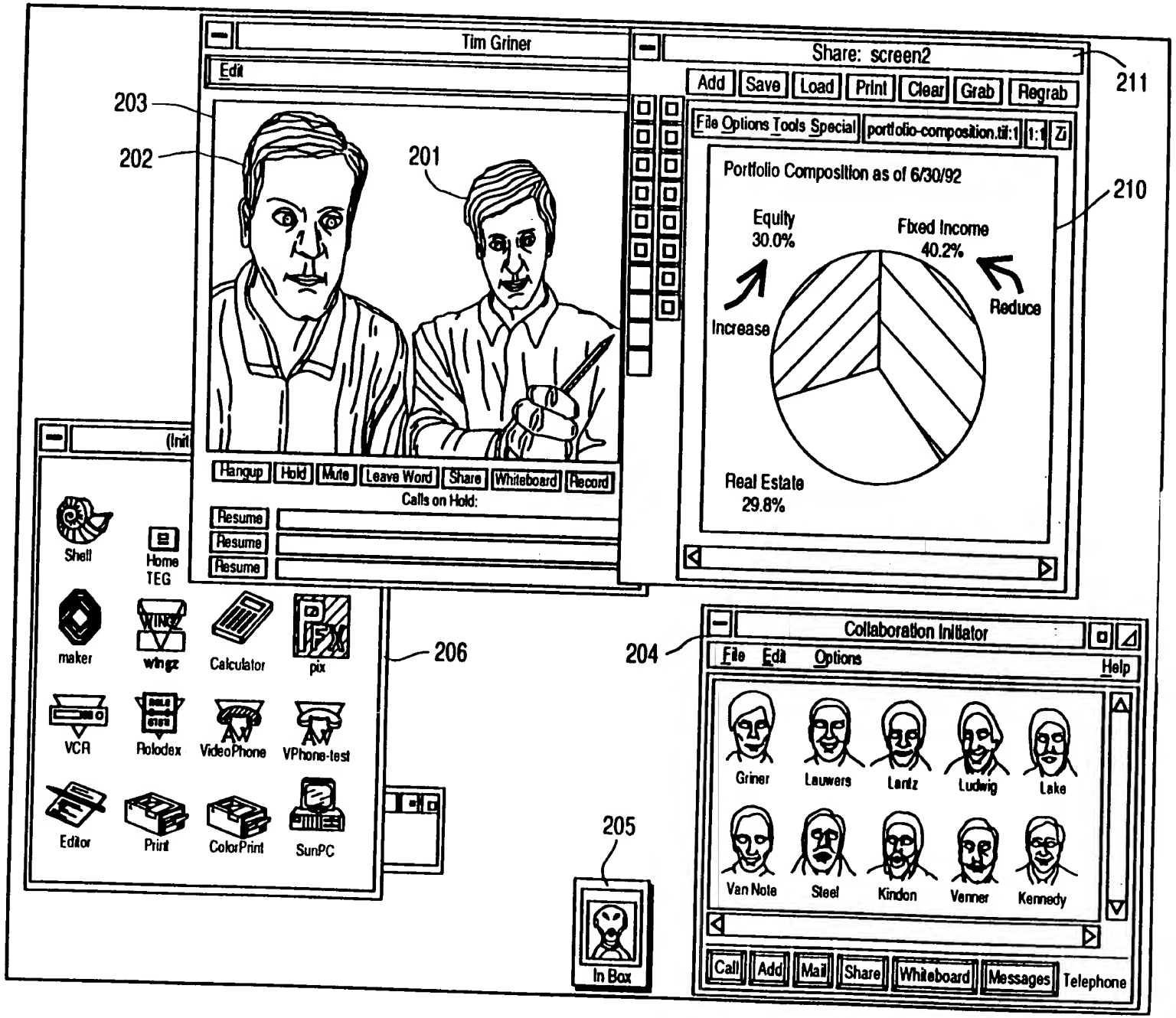
Tim Griner
Edit
Share: screen2
Add
Save
Load
Print
Clear
Grab
Regrab
File Options Tools Special
portfolio-composition.til:1
1:1
Portfolio Composition as of 6/30/92
Equity
30.0%
Fixed Income
40.2%
Increase
Reduce
Real Estate
29.8%
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Record
Calls on Hold:
Resume
Resume
Resume
Shell
Home
TEG
maker
wingz
Calculator
pix
VCR
Rolodex
VideoPhone
VPhone-test
Editor
Print
ColorPrint
SunPC
Collaboration Initiator
File
Edit
Options
Help
Griner
Lauwers
Lantz
Ludwig
Lake
Van Note
Steel
Kindon
Venner
Kennedy
Call
Add
Mail
Share
Whiteboard
Messages
Telephone
In Box
203
202
201
211
210
206
204
205

FIGURE 36

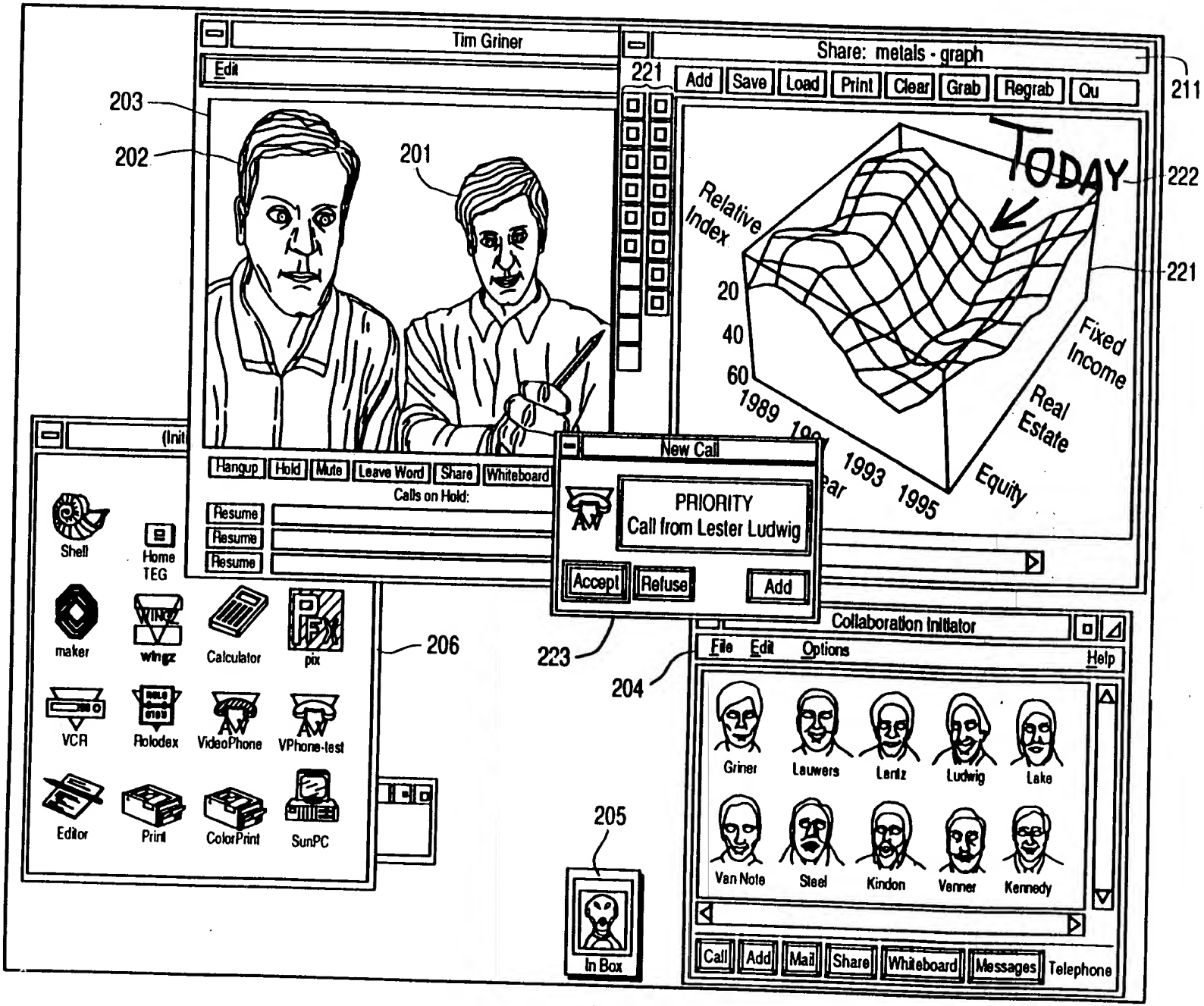
Tim Griner
Edit
Share: metals - graph
Add
Save
Load
Print
Clear
Grab
Regrab
Qu
203
202
201
221
211
222
TODAY
Relative Index
20
40
60
1989
1993
1995
Fixed Income
Real Estate
Equity
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Calls on Hold:
Resume
Resume
Resume
New Call
PRIORITY
Call from Lester Ludwig
Accept
Refuse
Add
Shell
Home TEG
maker
wingz
Calculator
pix
VCR
Rolodex
VideoPhone
VPhone-test
Editor
Print
ColorPrint
SunPC
206
223
204
Collaboration Initiator
File
Edit
Options
Help
Griner
Lauwers
Lantz
Ludwig
Lake
Van Note
Steel
Kindon
Venner
Kennedy
Call
Add
Mail
Share
Whiteboard
Messages
Telephone
205
In Box

FIGURE 37

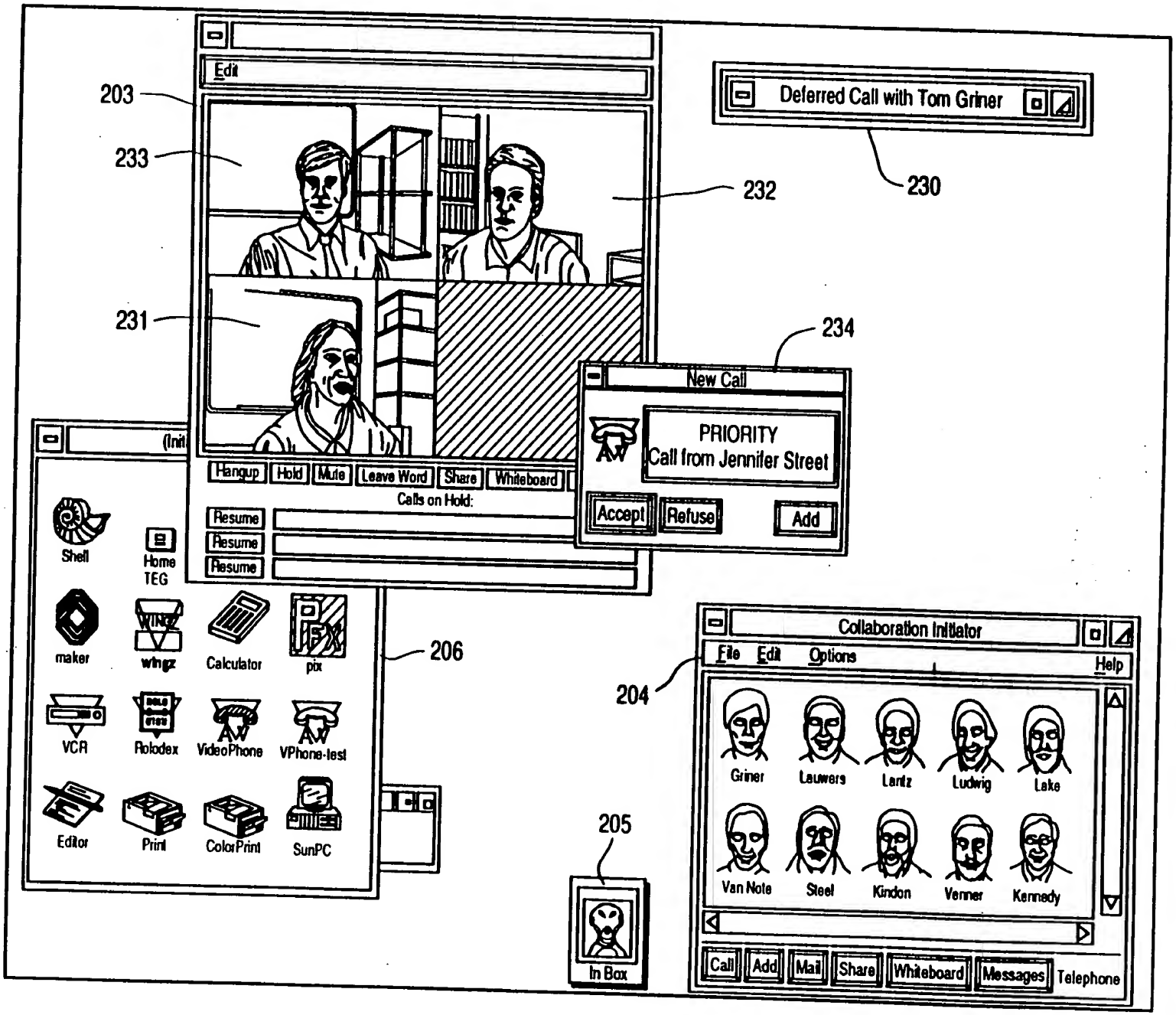
Edit
203
233
232
231
230
Deferred Call with Tom Griner
234
New Call
PRIORITY
Call from Jennifer Street
Accept
Refuse
Add
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Calls on Hold:
Resume
Resume
Resume
Shell
Home
TEG
maker
whgz
Calculator
pix
VCR
Rolodex
VideoPhone
VPhone-test
Editor
Print
ColorPrint
SunPC
206
Collaboration Initiator
File
Edit
Options
Help
204
Griner
Lauwers
Lantz
Ludwig
Lake
Van Note
Steel
Kindon
Venner
Kennedy
205
In Box
Call
Add
Mail
Share
Whiteboard
Messages
Telephone

FIGURE 38

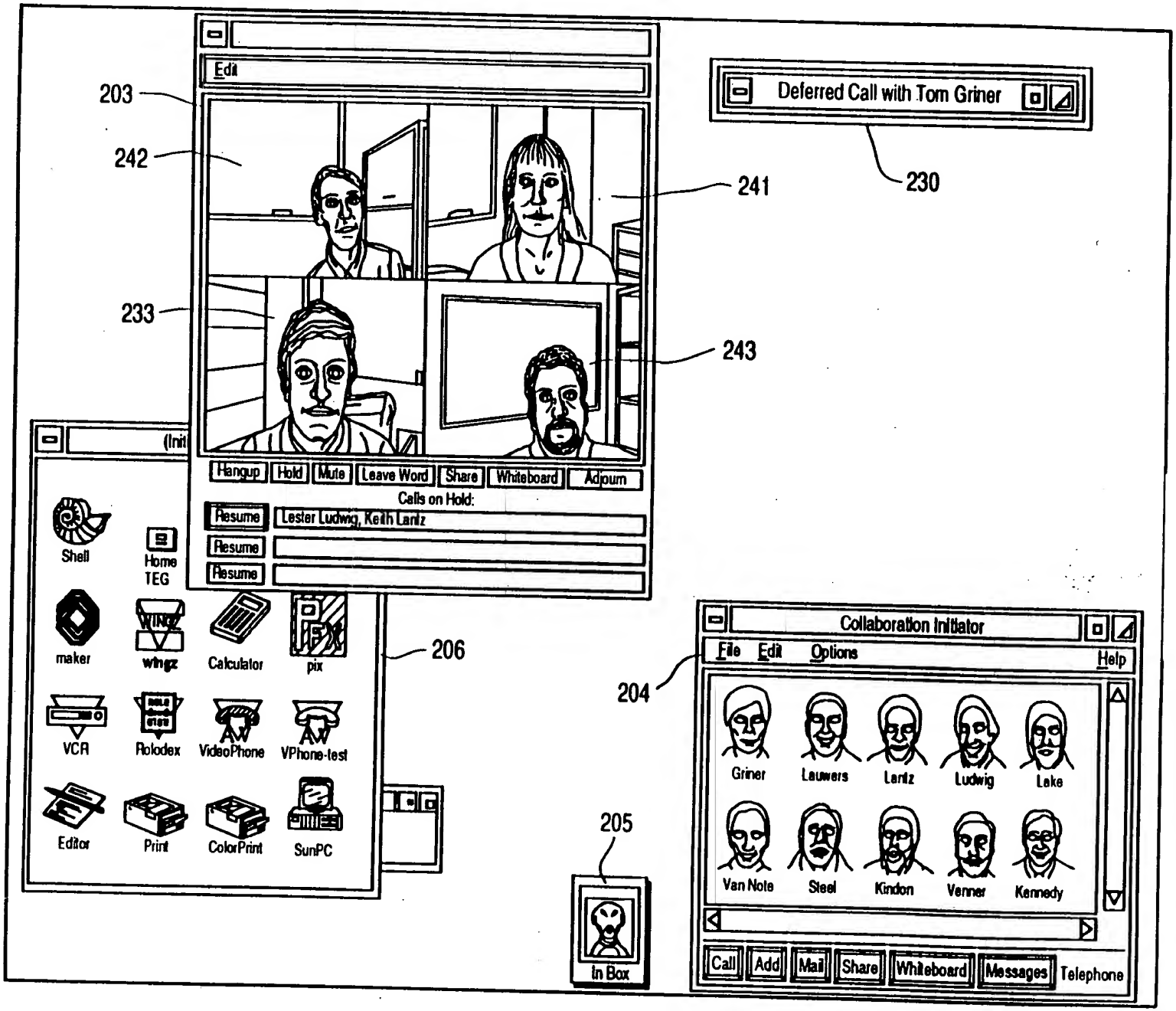
Edit
203
242
241
233
243
Deferred Call with Tom Griner
230
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Adjourn
Calls on Hold:
Resume
Lester Ludwig, Keith Lantz
Resume
Resume
Shell
Home
TEG
maker
wingz
Calculator
pix
206
VCR
Rolodex
VideoPhone
VPhone-test
Editor
Print
ColorPrint
SunPC
204
Collaboration Initiator
File
Edit
Options
Help
Griner
Lauwers
Lantz
Ludwig
Lake
Van Note
Steel
Kindon
Venner
Kennedy
205
In Box
Call
Add
Mail
Share
Whiteboard
Messages
Telephone

FIGURE 39

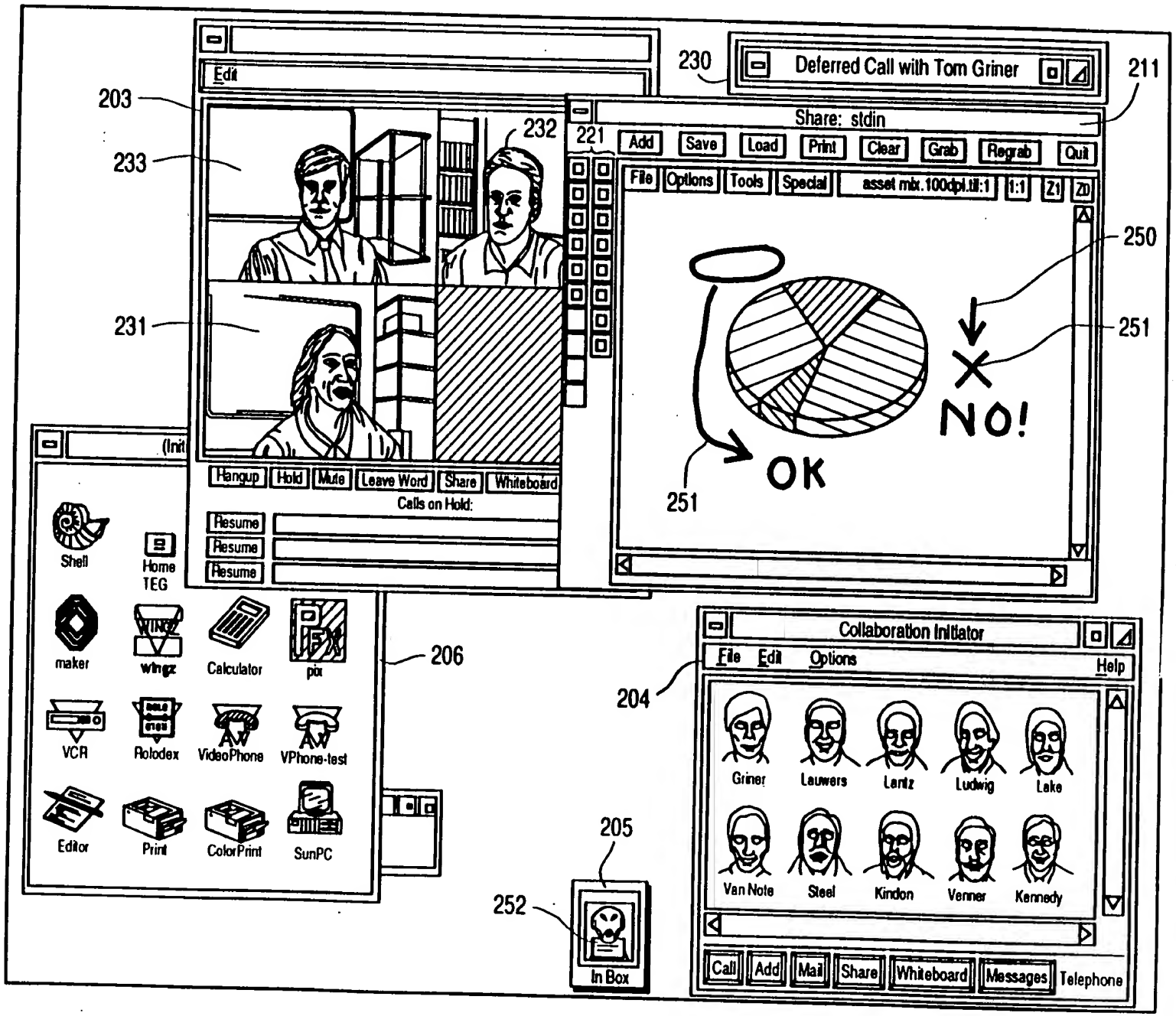
Edit
Deferred Call with Tom Griner
Share: stdin
Add
Save
Load
Print
Clear
Grab
Regrab
Quit
File
Options
Tools
Special
asset mix.100dpi.tif:1
1:1
Z1
Z0
NO!
OK
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Calls on Hold:
Resume
Resume
Resume
Shell
Home TEG
maker
wingz
Calculator
pix
VCR
Rolodex
VideoPhone
VPhone-test
Editor
Print
ColorPrint
SunPC
In Box
Collaboration Initiator
File
Edit
Options
Help
Griner
Lauwers
Lantz
Ludwig
Lake
Van Note
Steel
Kindon
Venner
Kennedy
Call
Add
Mail
Share
Whiteboard
Messages
Telephone
203
230
211
232
221
233
231
250
251
251
206
204
205
252

FIGURE 40

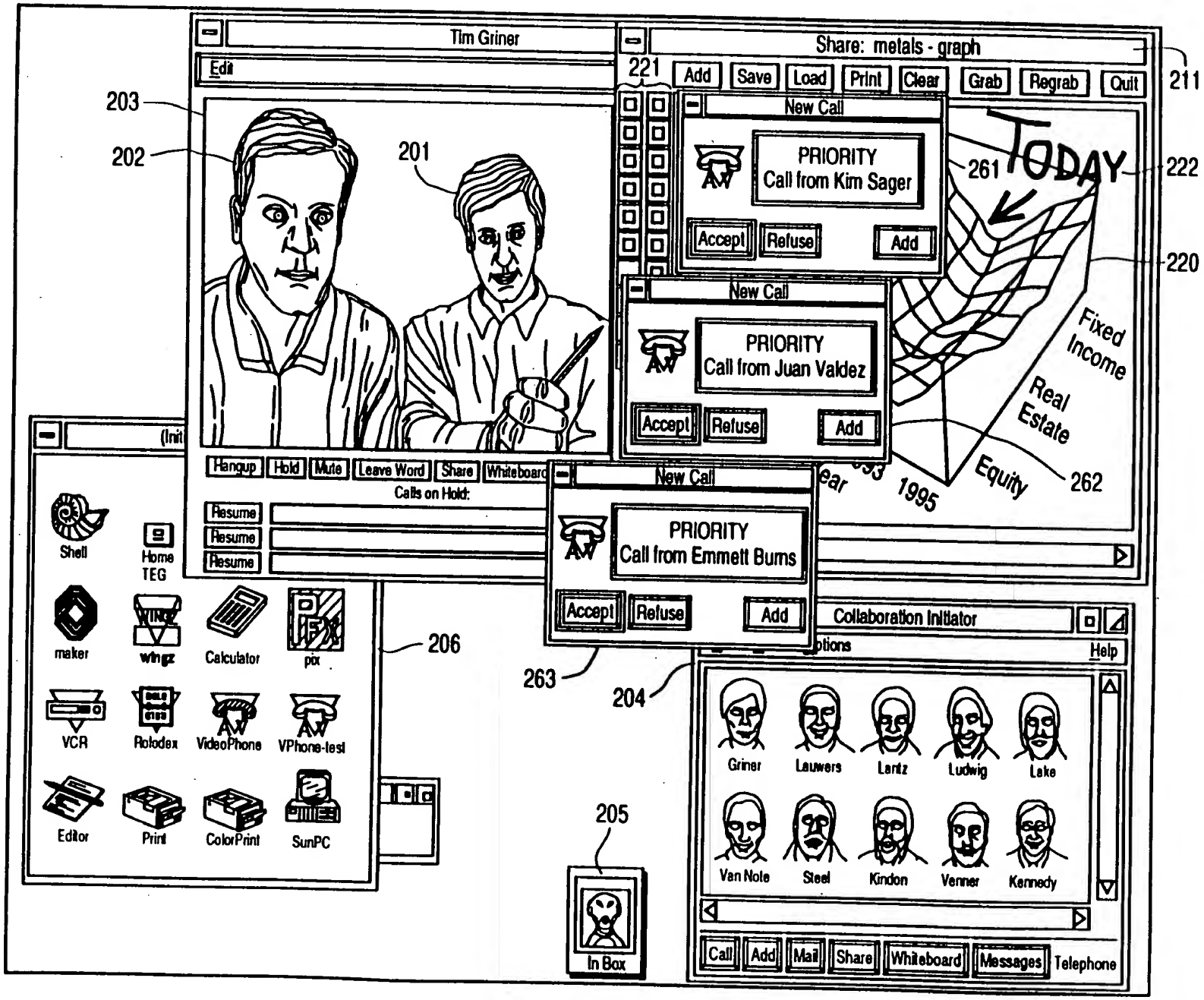
Tim Griner
Edit
Share: metals - graph
Add
Save
Load
Print
Clear
Grab
Regrab
Quit
221
211
203
202
201
New Call
PRIORITY
Call from Kim Sager
Accept
Refuse
Add
261
TODAY
222
220
New Call
PRIORITY
Call from Juan Valdez
Accept
Refuse
Add
Fixed Income
Real Estate
Equity
1995
262
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Calls on Hold:
Resume
Resume
Resume
New Call
PRIORITY
Call from Emmett Burns
Accept
Refuse
Add
Shell
Home
TEG
maker
whgz
Calculator
pix
VCR
Rolodex
VideoPhone
VPhone-test
Editor
Print
ColorPrint
SunPC
206
263
204
Collaboration Initiator
Help
Griner
Lauwers
Lantz
Ludwig
Lake
Van Note
Steel
Kindon
Venner
Kennedy
205
In Box
Call
Add
Mail
Share
Whiteboard
Messages
Telephone

FIGURE 41

Available Copy

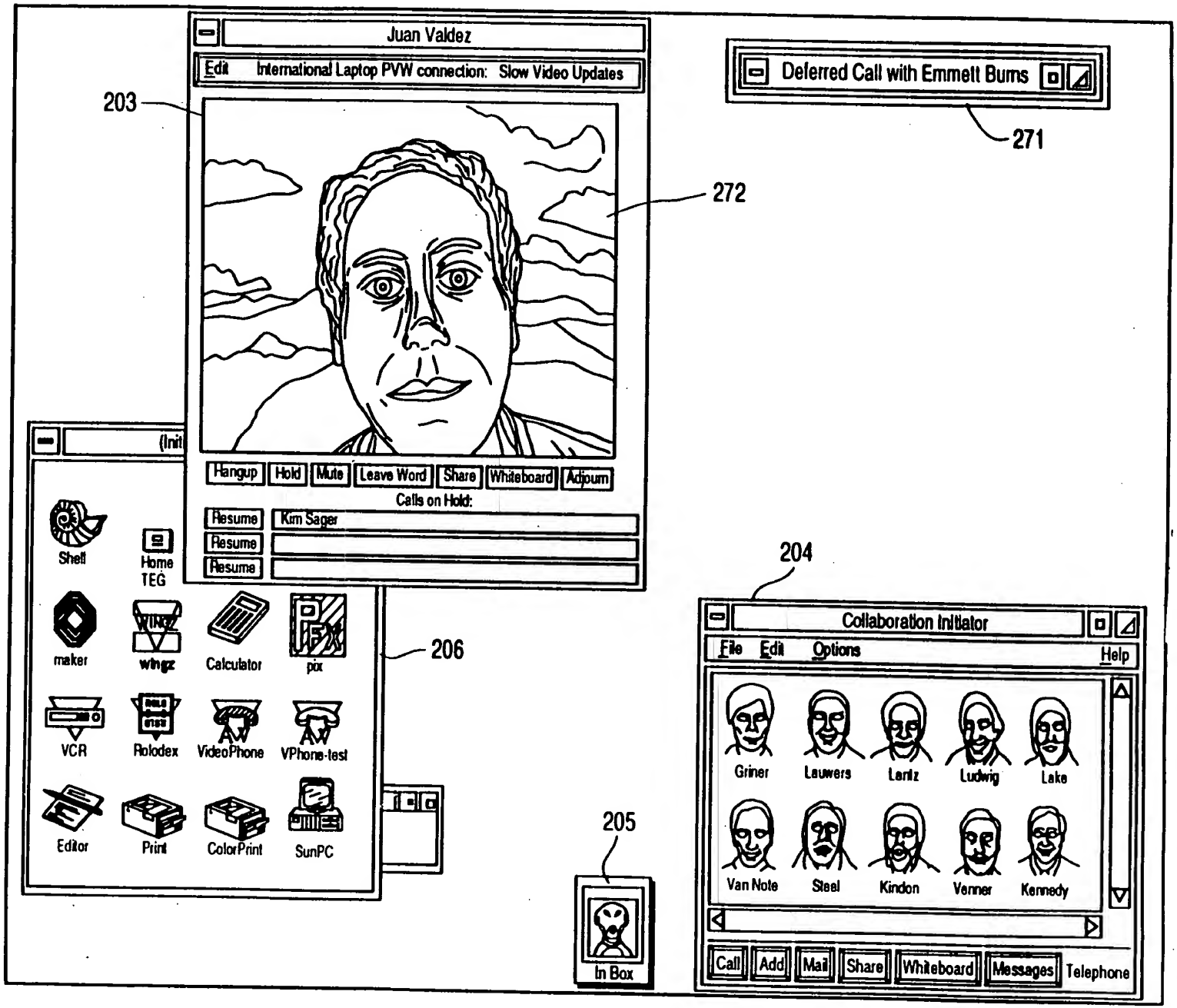

FIGURE 42